PHASE II ENVIRONMENTAL INVESTIGATION AND SOIL MITIGATION SLAUSON DISTRIBUTION CENTER 12500 EAST SLAUSON AVENUE SANTA FE SPRINGS, CALIFORNIA

Prepared for:

Principal Capital Management, LLC
801 Grand Avenue
Des Moines, IA 50392-1350
(515) 283-8847

Prepared by:

SCS Engineers
3711 Long Beach Boulevard, 9th Floor
Long Beach, California 90807-3315
(562) 426-9544

October 31, 2000

File No. 01200116.01

This Phase II Environmental Investigation and Soil Mitigation report for property located at 12500 East Slauson Avenue in Santa Fe Springs, California, dated October 31, 2000, was prepared and reviewed by the following:

Darren R. Ness
Staff Scientist

Kevin W. Green, R.G., R.E.A.
Project Manager

Tom Dong, R.E.A.
Vice President
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LIMITATIONS/DISCLAIMER

This report has been prepared specifically for Principal Capital Management, LLC with application to a Phase II Environmental Investigation and Soil Mitigation of property located at 12500 East Slauson Avenue in Santa Fe Springs, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, economic, or other factors. It is possible that additional information exists beyond the scope of this investigation. Additional information that was not available to the consultant at the time of this investigation or changes that may occur on the site or in the surrounding area may result in modification to the site that would impact the summary and recommendations presented herein. This report is not a legal opinion.

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INTRODUCTION

SCS Engineers (SCS) was retained by Principal Capital Management, LLC (Principal) to conduct environmental investigation activities and mitigate diesel-impacted soils located at 12500 East Slauson Avenue in Santa Fe Springs, California (subject site – Figure 1). SCS previously prepared a Phase I environmental assessment of the subject site in June 2000. Results of the Phase I are described in the narrative below and are presented in our report, *Phase I Environmental Assessment Report. 12500 E. Slauson Avenue. Santa Fe Springs, California*, dated June 2000.

BACKGROUND

As described in the above-referenced report, one 10,000-gallon diesel aboveground storage tank (AST) with associated fuel pump and two remote dispensers were located along the southwestern portion of the subject site. Reportedly, this fueling system has not been used for 8 to 10 years. Therefore, SCS recommended the system be removed and closed in accordance with City of Santa Fe Springs Fire Department (SFSFD) requirements.

Information provided to SCS indicates removal of the AST and associated fueling system was conducted in August 2000 by Coastal Pacific Construction, Inc. of Laguna Hills, California. Upon removal. six soil samples were collected from various locations (refer to Figure 2). According to a site map provided, soil samples were collected from the following areas:

- Two soil samples collected from areas adjacent to the north and east of the former AST at a depth of approximately five feet below grade (samples 1A and 1B).
- Beneath a portion of the fuel supply line at a depth of approximately three feet below grade (sample 1F).
- Beneath the former fuel pump at a depth of two feet below grade (sample 1D).
- Two soil samples collected from beneath both former remote dispensers at depths of approximately two feet below grade (samples 1C and 1E).

All six soil samples were analyzed for gasoline (C4-C12) and diesel (C13-C23) range hydrocarbons by EPA Method 8015 Modified and volatile organic compounds (VOCs) by EPA Method 8260B. Results of the analyses indicated detectable concentrations of gasoline and/or

diesel range hydrocarbons in four of the six samples analyzed. Gasoline was detected in samples 1D and 1E at concentrations of 294 and 356 milligrams per kilogram [mg/kg, or parts per million (ppm)]. Diesel was detected in samples 1B, 1D, 1E, and 1F in concentrations ranging from 38 to 16,100 mg/kg.

Phase II Investigation Objectives

In order to verify and determine the extent of impacted soils, SCS proposed to collect soil samples at 5-foot intervals from 5 to 20 feet below ground surface (bgs) at locations where elevated concentrations of diesel hydrocarbons were detected. SCS utilized a truck-mounted direct-push Strataprobe rig and on site mobile laboratory to collect and analyze soil samples.

REGIONAL GEOLOGIC, HYDROGEOLOGIC AND TOPOGRAPHIC INFORMATION

The subject site is located within the northern portion of Santa Fe Springs at an approximate elevation of 150 feet above mean sea level. The area topography slopes gently to the south/southwest. The Sorensen Avenue Drain is located directly adjacent (south) of the subject site and directs runoff from this area of Santa Fe Springs to the La Canada Verde Creek located to the southeast.

Based on site investigation work previously conducted on the subject site related to former underground storage tanks (USTs), the uppermost aquifer underlying the subject site consists of sand and silty sand that is at a depth of approximately 26 to 28 feet bgs. Above this is a clay layer, which is approximately 20 feet thick.

The subject site is situated in the Central Groundwater Basin of the Los Angeles Coastal Plain. Bulletin 104, Appendix A of the California Department of Water Resources (1961) indicated that the first regional aquifer is located approximately 30 to 50 feet bgs. Based on topography, groundwater is anticipated to flow in a southerly direction.

PHASE II INVESTIGATION

SCS's field investigation was conducted on September 12, 2000. Soil sampling locations were placed in areas of potentially impacted soils where elevated concentrations of diesel range hydrocarbons were previously detected. These areas included:

- The former fuel pump island area.
- The former remote dispensers located both north and south of the former fuel pump.

A total of 20 soil samples were collected from six boring locations (B1 through B6) at depths ranging between 5 and 20 feet bgs. A map of the subject site showing sampling locations is provided as Figure 2.

Materials and Methods

Soil samples were obtained from depths between 5 and 20 feet bgs at six locations (B1-B6) using a truck-mounted direct-push Strataprobe rig provided by Transglobal Environmental Geochemistry (TEG) of Solana Beach, California. TEG collected soil samples from all six borings under the oversight of SCS personnel. TEG's direct-push Strataprobe rig is equipped with a hydraulic hammer and a two-foot long, 1.50-inch diameter split-spoon sampler. A metal tip was fixed to the head of the split-spoon sampler and driven to the desired depth on a steel rod. Soil samples were collected by retracting the drive tip through the center of the sampler with an inner rod and hydraulically hammering the sampler an additional two feet.

Soil samples collected by TEG were recovered in two-foot long, pre-cleaned 1.50-inch diameter acetate sleeves which had been placed inside the two-foot long split spoon sampler. The bottom six inches of the acetate sleeve was cut and collected for laboratory analysis. The remainder of the acetate sleeve was used for soil logging purposes using the Unified Soil Classification System. Boring logs are provided in Appendix A. As noted in the boring logs, visual and olfactory indications of impacted soil were only noted in the area of boring B4.

Immediately following soil sample collection, both ends of the cut acetate sleeve were covered with a Teflon square and capped with plastic end caps. A solvent-free label noting the date of collection, sample number, and project number was affixed to each sample. Immediately following labeling, samples were relinquished to a mobile laboratory provided by Mobile One Laboratories, Inc. (Mobile One) of Escondido, California for on site analysis. Soil samples were tracked from the point of collection through the laboratory using proper chain-of-custody protocol. Mobile One is certified by the California Department of Health Services to perform laboratory analysis.

Standard three stage decontamination procedures were used for all sampling equipment between each boring. New latex gloves were used and frequently replaced in the handling of all soil samples.

PHASE II ANALYTICAL RESULTS

Laboratory results, chain-of-custody documentation, and QA/QC data from soil samples are provided in Appendix B.

A total of 20 soil samples were analyzed within the mobile laboratory provided by Mobile One. Soil samples were analyzed for petroleum hydrocarbons as diesel (C13-C24) and volatile aromatic hydrocarbons [benzene, toluene, ethylbenzene, and xylenes (BTEX)] using EPA Methods 8015 Modified and 8020, respectively. EPA Method 8015 Modified analysis also detects gasoline range (C4-C12) hydrocarbons. However, no gasoline range hydrocarbons were detected during hydrocarbon analysis. A summary of investigation soil analytical results is

provided in Table 1.

As shown in Table 1, diesel was detected in 4 of 20 soil samples in concentrations ranging from 43 to 9,700 mg/kg. Toluene, ethylbenzene, and xylenes were detected in 1 of 20 soil samples analyzed in concentrations of 0.058, 0.87, and 1.1 mg/kg, respectively. Diesel, toluene, ethylbenzene, and xylenes were detected in boring B4, located adjacent to the former fuel pump. This boring was advanced based on visual and olfactory indications of petroleum hydrocarbons present in an excavation sidewall generated during the removal of the fuel pump. One soil sample was collected by hand (sample EX-soil) from the excavation sidewall and analyzed. Analysis indicated a concentration of diesel range hydrocarbons at 2,400 mg/kg. The location of boring B4 was based on the results of sample EX-soil and placed immediately adjacent to the sampling location.

Based on the results of samples analyzed from boring B4, the vertical extent of diesel-impacted soils was approximately seven feet bgs. Borings B3, B5, and B6 were advanced to determine the lateral extent of impacted soils detected in boring B4. Diesel-range hydrocarbons and BTEX were not detected in samples collected from these borings. Furthermore, diesel hydrocarbons and BTEX were not detected in other soil samples analyzed.

SOIL MITIGATION

Based on the results of the investigation and estimated volume of diesel-impacted soils (less than 30 cubic yards), removal of impacted soils from the subject site was proposed to the SFSFD as the preferred mitigation method. Soil mitigation activities were conducted based on verbal approval by SFSFD. SFSFD cleanup goals established for the subject site were based on Los Angeles Regional Water Quality Control Board's (LARWQCB) May 1996 Interim Site Assessment & Cleanup Guidebook, Table 4-1: Maximum Soil Screening Levels for TPH and BTEX above Drinking Water Aquifers. A diesel hydrocarbon cleanup goal of 1,000 mg/kg was approved by SFSFD as the cleanup goal.

Mitigation activities included sampling stockpiled soil previously generated during AST removal activities (Stockpile-A), excavating diesel-impacted soils, collecting confirmation soil samples from excavation bottom and sidewalls, and sampling of stockpile soils generated during mitigative activities (Stockpile-B). A copy of the letter from SCS to SFSFD, dated September 22, 2000 summarizing the results of discussions is provided in Appendix C.

Soil Mitigation Objectives and Activities

Based on the Phase II investigation, SCS proposed to excavate diesel-impacted soils located within the vicinity of boring B4. Soil mitigation objectives included excavating, stockpiling, characterizing, and transporting off site diesel-impacted soils to a licensed disposal/treatment facility.

Diesel-impacted soil mitigation activities were conducted by SCS on September 26, 2000. SCS utilized a backhoe for excavating soils and an on site mobile laboratory for soil sample analyses. Soil excavation activities began in the area of boring B4 and proceeded based on visual and olfactory observations made by SCS personnel. Soils encountered during excavation activities were primarily gray to olive gray.

Intermediate soil samples were collected for laboratory analysis from the bottom and west sidewall of the excavation to assess concentrations of hydrocarbons in soils. These samples (EXB-1S and EXSW-1W) were collected from approximately 5.5 and 5 feet bgs, respectively.

Based on intermediate sample results, soil removal continued until excavation sidewalls and bottom soils were brown to grayish brown in color. Confirmation soil samples were then collected from each of the four sidewalls and bottom of excavation. Results of confirmation soil sampling indicated concentrations of diesel were non-detect to 160 mg/kg which is below the cleanup goal of 1,000 mg/kg. Therefore, based on analytical results obtained on site, excavation activities were stopped. Final excavation dimensions were approximately 14 feet wide by 20 long and 9 feet deep.

On October 11, 2000, soils excavated during mitigation activities were loaded into trucks and transported to a licensed disposal facility under non-hazardous waste manifest. Approximately 61.60 tons of diesel-impacted soil was transported to American Remedial Technologies, Inc. (ART) of Lynwood, California for treatment/recycling. Copies of manifests and weight certificates are provided in Appendix D.

Materials and Methods

Soil samples collected from soil stockpiles, bottom, and sidewalls of excavation were recovered in 4-inch long by 2-inch diameter brass sleeves placed within a stainless steel sampler. Upon collection, the ends of the brass sleeve were covered with Teflon squares and plastic ends caps. Samples were relinquished under chain-of-custody documentation to an on site mobile laboratory provided by Mobile One.

With the exception of Stockpile B, soil samples were analyzed for diesel-range hydrocarbons, VOCs, and semi-VOCs (SVOCs) by EPA Methods 8015 Modified, 8260B, and 8270C, resepctively. As requested by ART, Stockpile B was analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1.

SOIL MITIGATION ANALYTICAL RESULTS

As stated earlier, samples EXB-1S and EXSW-1W were intermediate soil samples collected during soil removal activities to assess concentrations of diesel in soil as excavation activities progressed. Concentrations of diesel in these samples were 35,000 and 13,000 mg/kg, respectively.

Analytical results of confirmation soil samples indicate sample EXB2 @ 9' had a concentration of diesel at 160 mg/kg. Diesel was not detected in the other five confirmation samples. Results of VOC and SVOC analyses do not indicate that soils are impacted by any of these constituents. Therefore, analytical results of soil samples indicate soils left in place are below cleanup goals established for the subject site. Analytical results, chain-of-custody documentation, and QA/QC are provided in Appendix E.

CONCLUSIONS AND RECOMMENDATIONS

Based on investigation and soil mitigation activities, SCS provides the following summary:

- Soil sampling data obtained during investigation activities suggests that there was one area of diesel-impacted soil in the vicinity of the former fuel pump. This area, in the vicinity of boring B4, appeared limited to soils less than five to seven feet bgs and did not extend beyond 10 feet horizontally in any direction from boring B4.

- As part of aboveground storage removal and soil mitigation activities, approximately 61.60 tons of diesel-impacted soils were excavated from the area of boring B4, stockpiled, characterized, and transported off site to a licensed disposal/treatment facility under non-hazardous waste manifest.

- Based on confirmation soil samples obtained from the bottom and sidewalls of the excavation, soils left in place are below cleanup guidelines approved by SFSFD.

Therefore, based on investigation and soil mitigation activities completed to date, SCS recommends that the Santa Fe Springs Fire Department issue a "no further action" letter for the former diesel aboveground storage tank and associated fueling system.

FIGURES

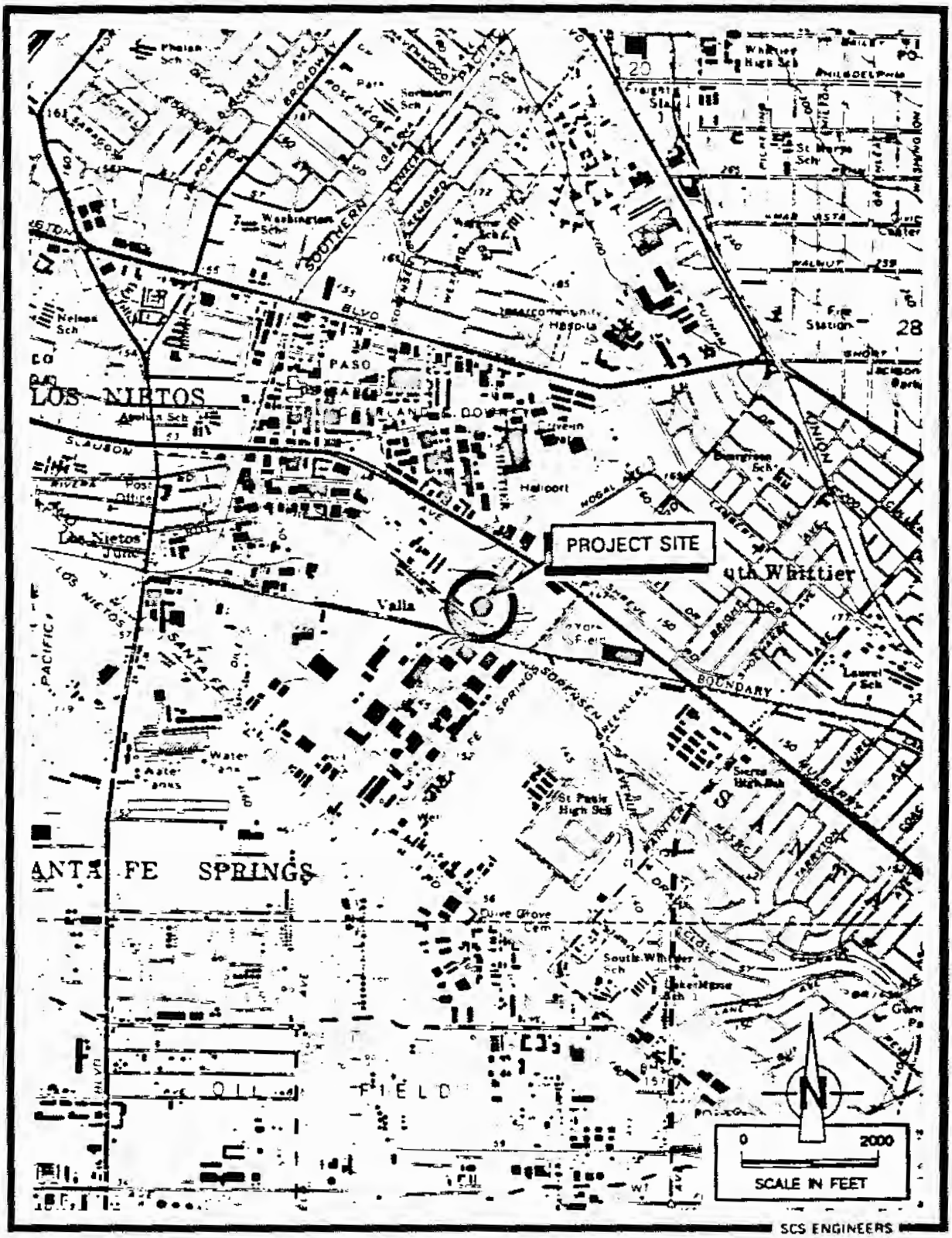
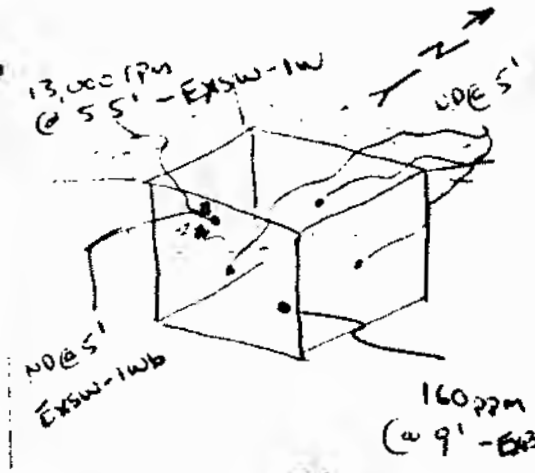
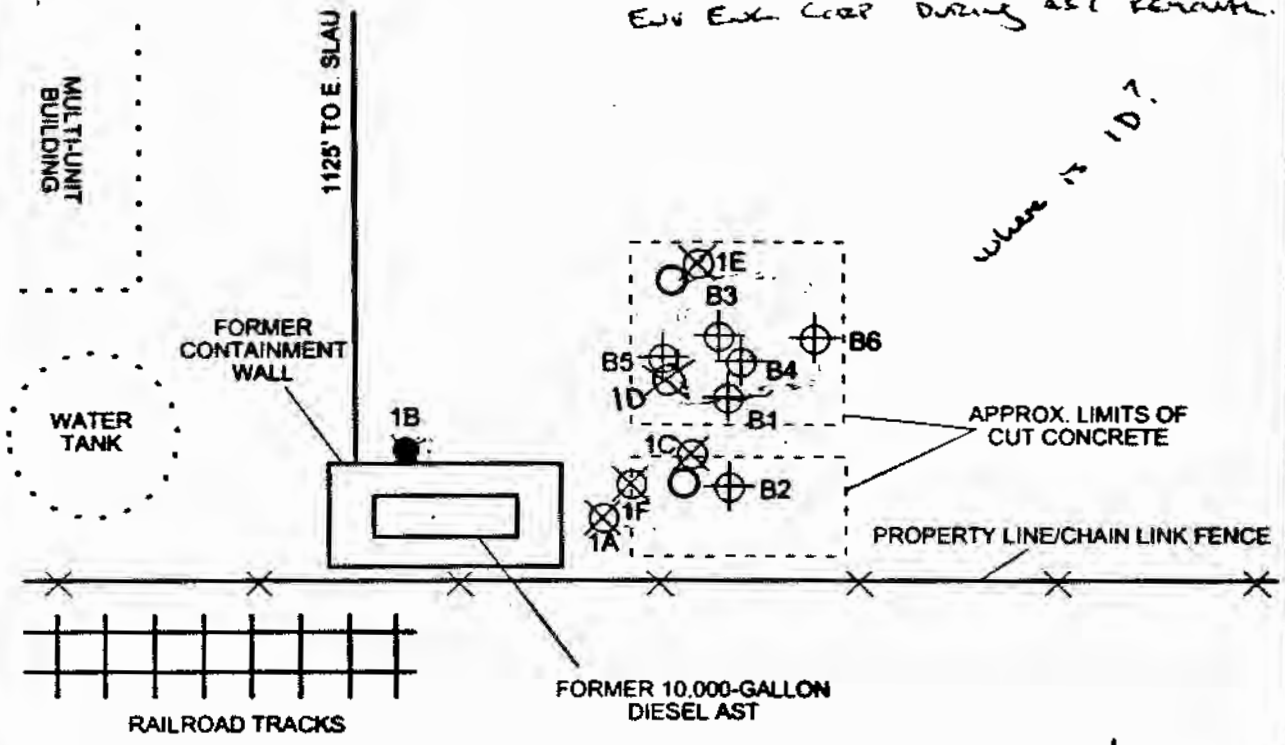


Figure 1. Project Site Location.

Boiler - TPH(D) Results



1A - 1F collected by Alaska Petroleum Env Exp Corp during AST Removal.



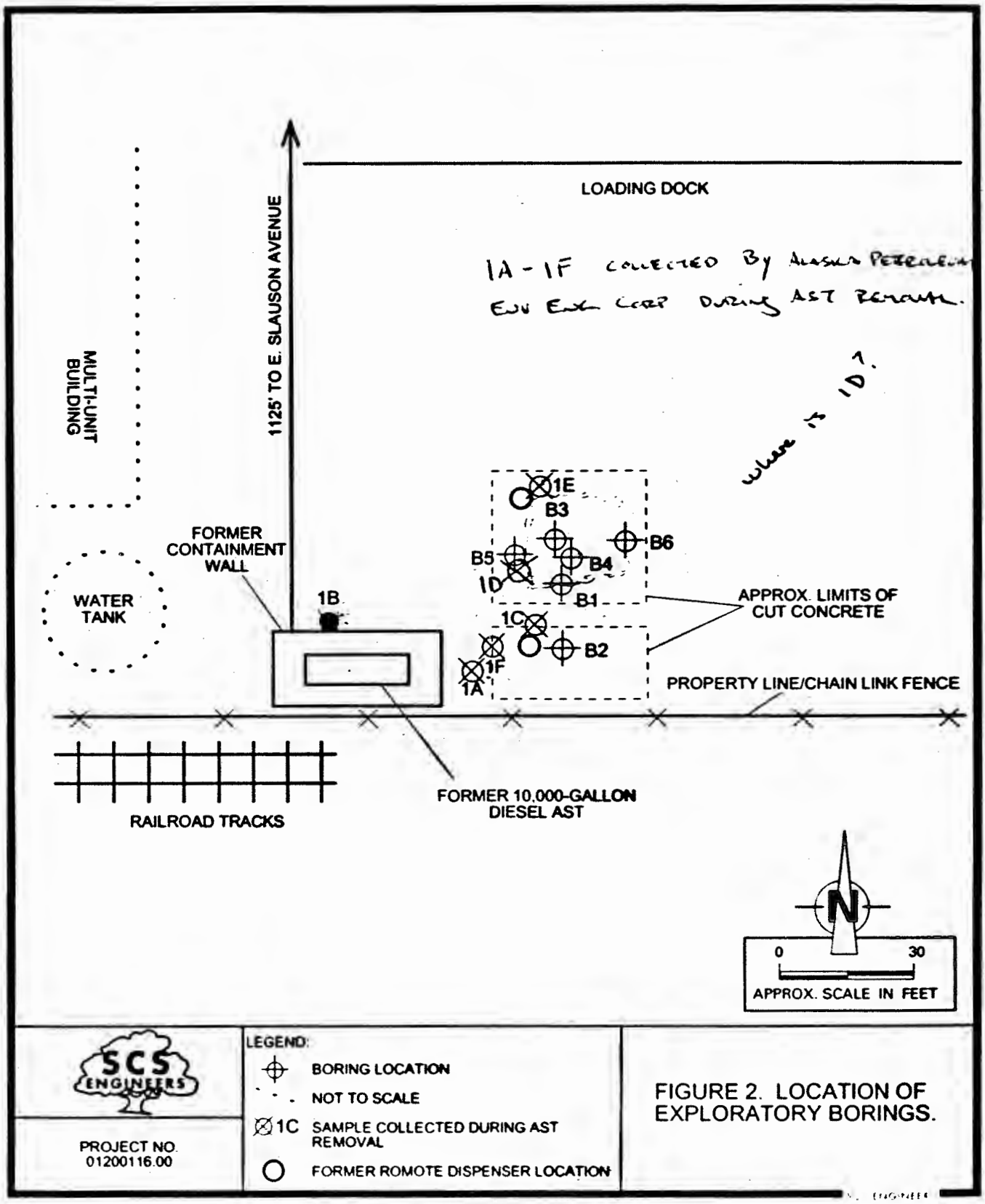
SCS ENGINEERS

PROJECT NO 01200116.00

LEGEND:

- BORING LOCATION
- NOT TO SCALE
- 1C SAMPLE COLLECTED DURING AST REMOVAL
- FORMER ROMOTE DISPENSER LOCATION

FIGURE 2 LOCATION OF EXPLORATORY BORINGS.


LOADING DOCK
1A - 1F COLLECTED BY ALASKA PETROLEUM ENV ENG CORP DURING AST REMOVAL.
WHERE IS 1D?
1125' TO E. SLAUSON AVENUE
MULTI-UNIT BUILDING
FORMER CONTAINMENT WALL
WATER TANK
1B
1E
B3
B6
B5
B4
1D
B1
1C
B2
1F
1A
APPROX. LIMITS OF CUT CONCRETE
PROPERTY LINE/CHAIN LINK FENCE
RAILROAD TRACKS
FORMER 10,000-GALLON DIESEL AST
N
0
30
APPROX. SCALE IN FEET
LEGEND:
BORING LOCATION
NOT TO SCALE
1C SAMPLE COLLECTED DURING AST REMOVAL
FORMER ROMOTE DISPENSER LOCATION
SCS ENGINEERS
PROJECT NO. 01200116.00
FIGURE 2. LOCATION OF EXPLORATORY BORINGS.

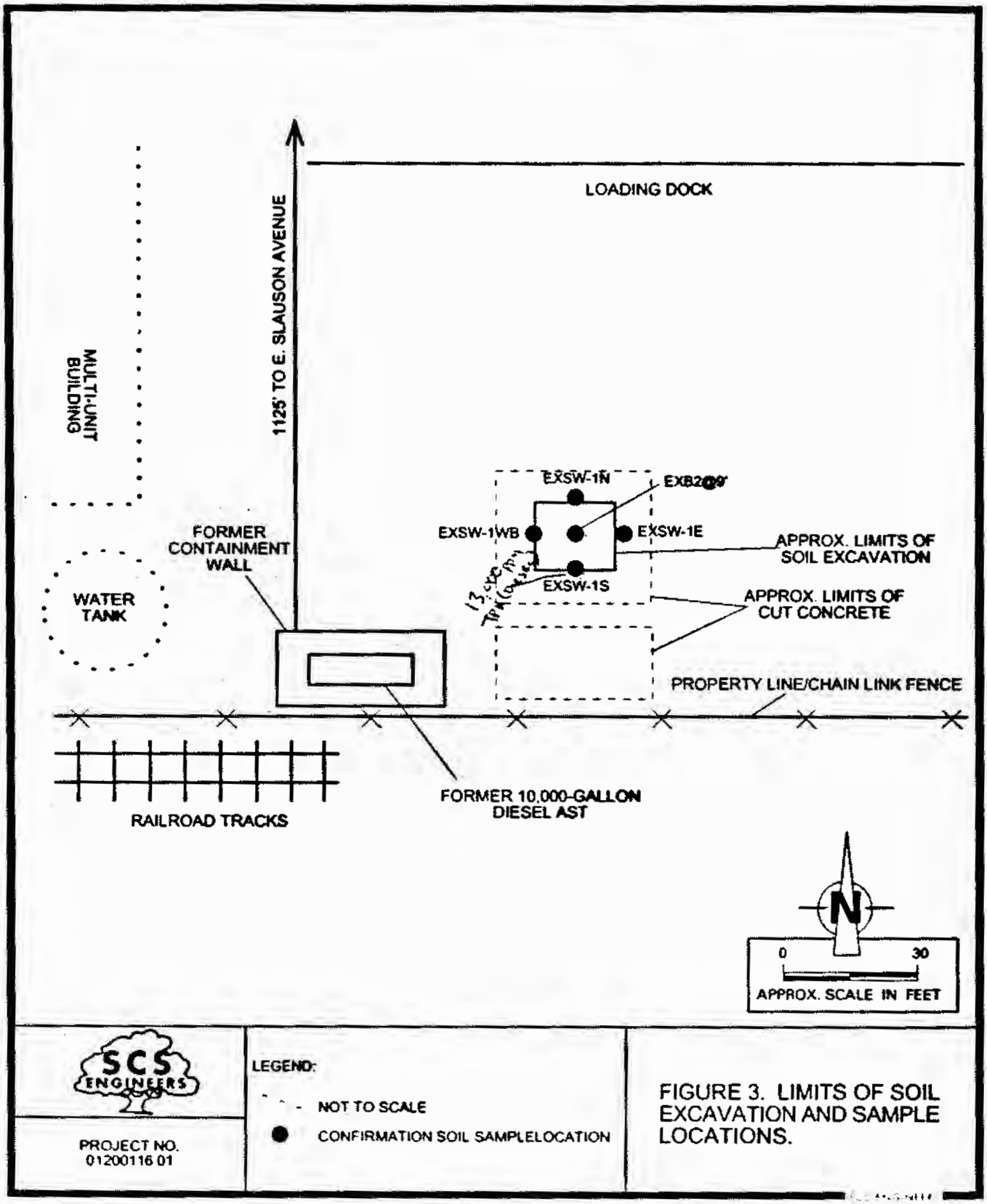


FIGURE 3. LIMITS OF SOIL EXCAVATION AND SAMPLE LOCATIONS.

TABLES

TABLE 1
PRINCIPAL CAPITAL MANAGEMENT, LLC
ANALYTICAL DATA FOR SOIL SAMPLES
SLAUSON DISTRIBUTION CENTER
12500 EAST SLAUSON AVENUE
SANTA FE SPRINGS, CALIFORNIA

Sample Name/ ID	Sample Matrix/ Depth	TPH-Diesel EPA Method 8015 mg/kg	MTBE EPA Method 8020 mg/kg	Benzene EPA Method 8020 mg/kg	Toluene EPA Method 8020 mg/kg	Ethylbenzene EPA Method 8020 mg/kg	Xylenes EPA Method 8020 mg/kg
B1-5'	soil/5 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B1-10'	soil/10 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B1-15'	soil/15 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B2-5'	soil/5 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B2-10'	soil/10 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B2-15'	soil/15 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B3-5'	soil/5 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B3-10'	soil/10 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B3-15'	soil/15 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B4-5'	soil/5 feet	9,700 C	<0.05	<0.005	0.058	0.87	1.1
B4-10'	soil/10 feet	73 C	<0.05	<0.005	<0.005	<0.005	<0.015
B4-15'	soil/15 feet	43 C	<0.05	<0.005	<0.005	<0.005	<0.015
B4-20'	soil/20 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B5-5'	soil/5 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B5-10'	soil/10 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B5-15'	soil/15 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B6-5'	soil/5 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B6-10'	soil/10 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
B6-15'	soil/15 feet	<10	<0.05	<0.005	<0.005	<0.005	<0.015
EX-Soil	soil/1.5 feet	2,400	<0.05	<0.005	<0.005	<0.005	<0.015

Notes:
TPH = Total Petroleum Hydrocarbons
mg/kg = milligrams per kilogram, or parts per million
All analyses performed by Mobile One Laboratories

TABLE 2
PRINCIPAL CAPITAL MANAGEMENT, LLC
CONFIRMATION SOIL SAMPLE ANALYTICAL DATA
SLAUSON DISTRIBUTION CENTER
12500 EAST SLAUSON AVENUE
SANTA FE SPRINGS, CALIFORNIA

Sample Name/ ID	Sample Location/ Depth	TPH-Gas EPA Method 8015M mg/kg	TPH-Diesel EPA Method 8015M mg/kg	TRPH EPA Method 418.1 mg/kg	VOCs EPA Method 8260B ug/kg	SVOCs EPA Method 8270C mg/kg
SP-1	stockpile A	<10	2,400	4,000	nd*	**
SP-2	stockpile A	<10	420	140	nd*	nd
SP-3	stockpile B	<10	--	3,200	nd*	--
SP-4	stockpile B	<10	--	820	nd*	--
EXB-1S	bottom/5.5 feet	<10	35,000	--	nd*	nd
EXB2@ 9'	bottom/9 feet	<10	160	--	nd*	nd
EXSW-1W	sidewall/5 feet	<10	13,000	--	nd*	nd
EXSW-1N	sidewall/5 feet	<10	<10	--	nd*	nd
EXSW-1E	sidewall/5 feet	<10	<10	--	nd*	nd
EXSW-1S	sidewall/5 feet	<10	<10	--	nd*	nd
EXSW-1Wb	sidewall/5 feet	<10	<10	--	nd*	nd

Notes:
TPH = Total Petroleum Hydrocarbons
TRPH = Total Recoverable Petroleum Hydrocarbons
mg/kg = milligrams per kilogram, or parts per million
ug/kg = micrograms per kilogram, or parts per billion
nd = None detected
* = Methylene chloride detected in sample and in blank
** = Fluoranthene detected at 780 ug/kg and bis(2-Ethylhexyl)phthalate detected at 790 ug/kg
All analyses performed by Mobile One Laboratories

Table 4-1: Maximum Soil Screening Levels (mg/kg) for TPH and BTEX above Drinking Water Aquifers

	Distance Above Groundwater	Carbon Range		
TPH		C4-C12	C13-C22	C23-C32
	>150 feet	1,000	10,000	50,000
	20-150 feet	500	1,000	10,000
	<20 feet	100	100	1,000

	Distance Above Groundwater	Lithology			
BTEX		Gravel	Sand	Silt	Clay
	150 feet	B=0.044 T=2 E=8 X=23	B=0.077 T=4 E=17 X=48	B=0.165 T=9 E=34 X=93	B=0.8 T=43 E=170 X=465
	80 feet	B=0.022 T=1 E=4 X=11	B=0.033 T=2 E=7 X=20	B=0.066 T=4 E=15 X=40	B=0.34 T=18 E=73 X=200
	20 feet	B=0.011 T=0.15 E=0.7 X=1.75	B=0.011 T=0.3 E=0.7 X=1.75	B=0.011 T=0.45 E=2 X=5.3	B=0.044 T=2.3 E=9 X=24.5

- TPH = Total petroleum hydrocarbons.
- BTEX = benzene, toluene, ethylbenzene, and xylenes, respectively. MCLs (ppm): B=0.001, T=0.15, E=0.7, X=1.75.
- MTBE (methyl tertiary butyl ether) must be included in BTEX analyses.
- BTEX screening concentrations determined per the attenuation factor method as described in RWQCB Guidance for VOC Impacted Sites (March 1996), with a natural degradation factor of 11 for benzene. Table values for BTEX can be linearly interpolated between distance above groundwater and are proportional to fraction of each lithological thickness.
- Values in Table 4-1 are for soils above drinking water aquifers. All groundwaters are considered as drinking water resources unless exempted by one of the criteria as defined under SWRCB Resolution 88-63 (TDS>3000 mg/L, or deliverability <200 gal/day, or existing contamination that cannot be reasonably treated). Regional Board staff will make a determination of potential water use at a particular site considering water quality objectives and beneficial uses. For non-drinking water aquifers, regardless of depth, TPH for ">150 feet" category in the table should be used; BTEX screening levels are set at 100 times respective MCLs as preliminary levels determined to be protective of human health and the environment.
- Distance above groundwater must be measured from the highest anticipated water level. Lithology is based on the USCS scale.
- For BTEX, each component is not to exceed the specified screening level.
- For TPH, the total allowable for each carbon range is not to be exceeded. In areas of naturally-occurring hydrocarbons, Regional Board staff will make allowance for TPH levels.
- BTEX to be analyzed by EPA Method 8020 or EPA Method 8260 (usually for confirmation).
- TPH to be analyzed by EPA Methods 418.1 plus 8015 (Modified). Ranges of TPH to be analyzed by GC/MS carbon range methods (EPA Method 8260) or EPA Method 8015 (Modified).

APPENDIX A

BORING LOGS

SCS ENGINEERS — BORING LOG

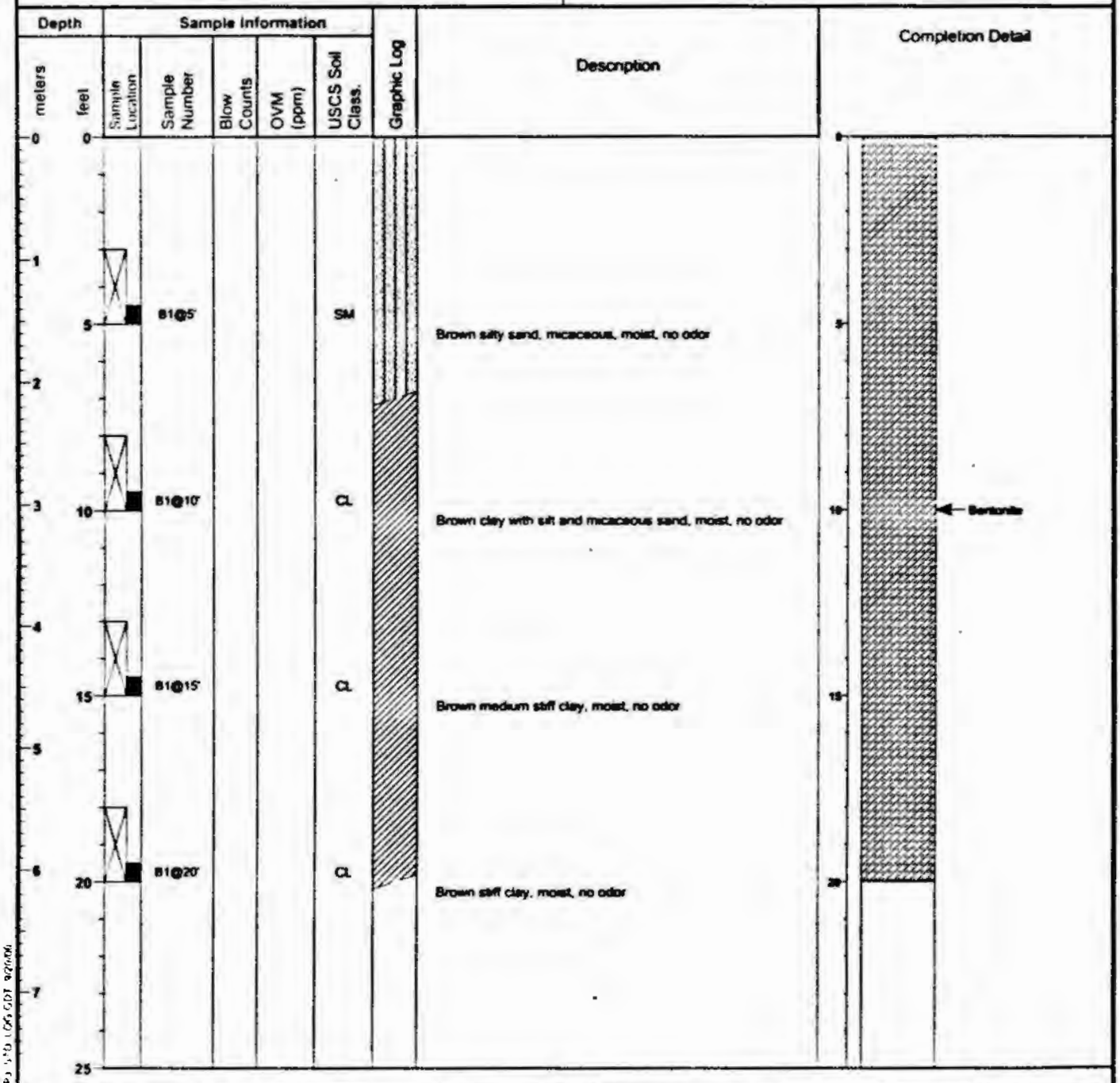
3711 Long Beach Boulevard, 9th Flr.
Long Beach, California 90807-3315

BORING NUMBER: B1

Principal
12500 E. Slauson Ave.
Santa Fe Springs, CA

JOB NUMBER: 01200116.00

REMARKS
Exploratory boring



Drilling Company:	TEG		
Drilling Method:	Direct Push		
Logged By:	D. Ness		
Sampling Method:	Split spoon		
Date Started:	9/12/00	Time Started:	08:25
Date Ended:	9/12/00	Time Ended:	09:00
Boring Diameter:	1.5"	Total Depth:	20.0 ft

SCS ENGINEERS

BORING LOG

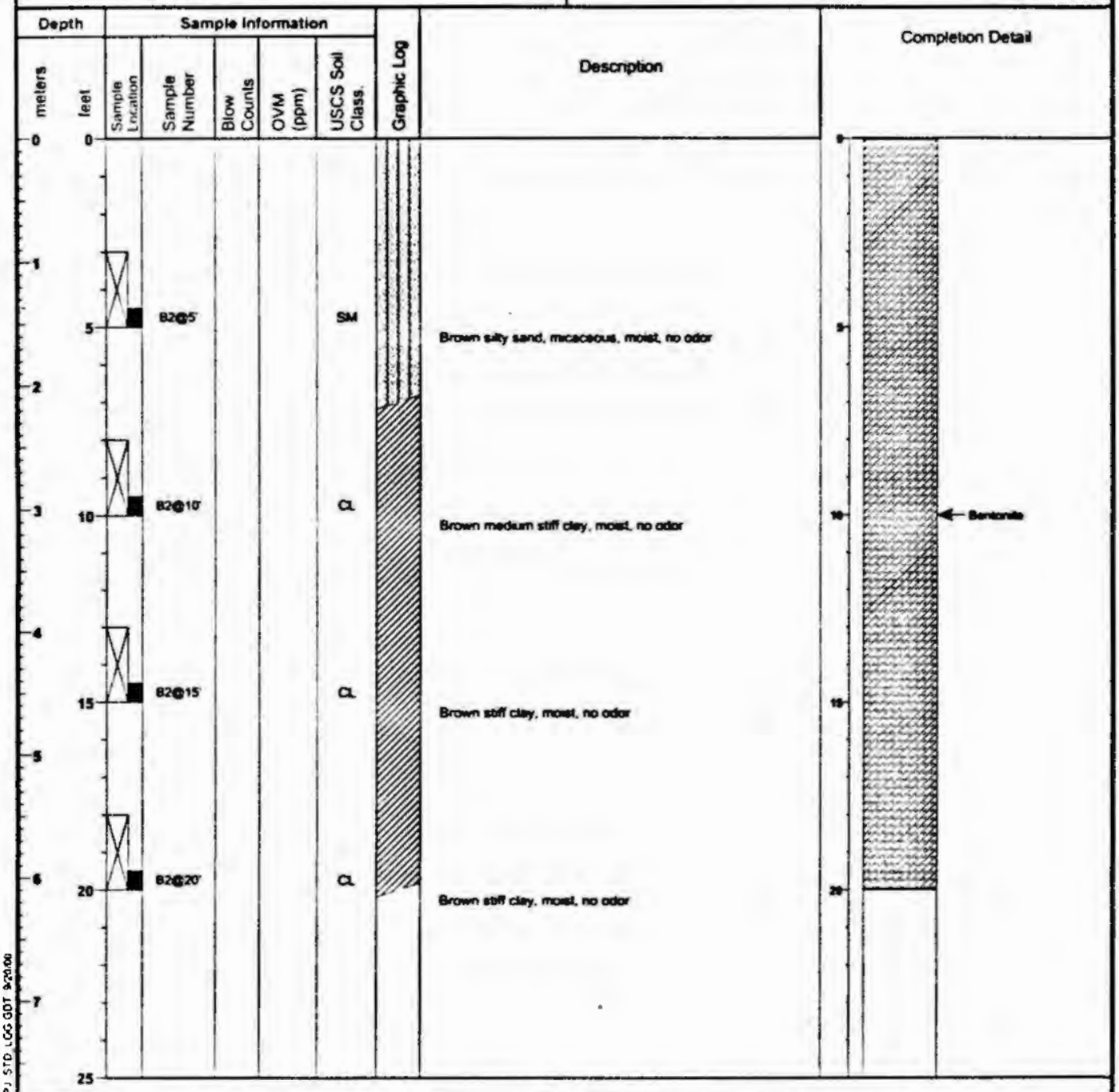
3711 Long Beach Boulevard, 9th Flr.
Long Beach, California 90807-3315

BORING NUMBER: B2

Principal
12500 E. Slauson Ave.
Santa Fe Springs, CA

JOB NUMBER: 01200116.00

REMARKS:
Exploratory boring



Drilling Company:	**TEG**	Date Started:	**9/12/00**	Time Started:	**09:25**
Drilling Method:	**Direct Push**	Date Ended:	**9/12/00**	Time Ended:	**10:10**
Logged By:	**D. Ness**	Boring Diameter:	**1.5"**	Total Depth:	**20.0 ft**
Sampling Method:	**Split spoon**				

STANDARD LOG 01200116.GPJ STD_LOG.GDT 9/20/00

SCS ENGINEERS — **BORING LOG**

3711 Long Beach Boulevard, 9th Flr.
Long Beach, California 90807-3315

BORING NUMBER: B3

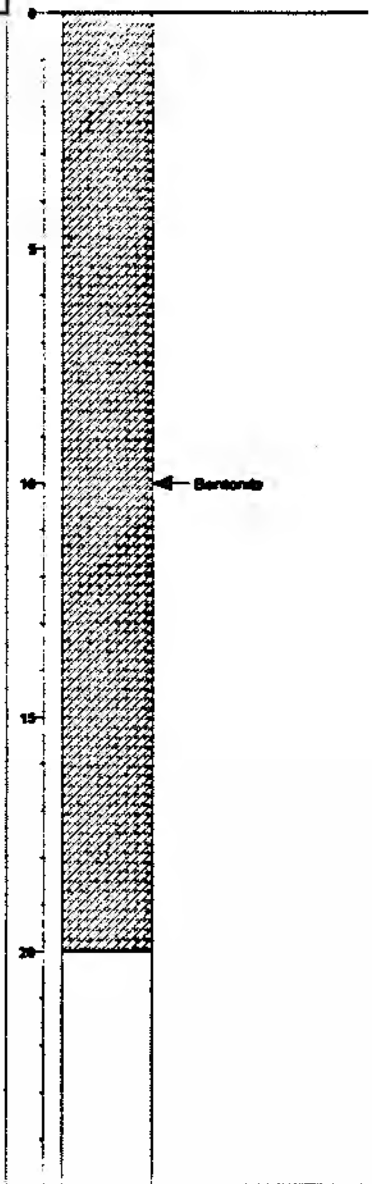
Principal
12500 E. Slauson Ave.
Santa Fe Springs, CA

JOB NUMBER: 01200116.00

REMARKS
Exploratory boring

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1								
	5	X	B3@5'			SM		Brown silty sand, micaceous, moist, no odor
2								
3	10	X	B3@10'			CL		Brown medium stiff clay with micaceous sand, moist, no odor
4								
	15	X	B3@15'					
5								
6	20	X	B3@20'			CL		Brown to olive gray stiff clay with trace sand and silt, moist, no odor
7								
	25							

Completion Detail



Drilling Company:	TEG	Date Started:	9/12/00
Drilling Method:	Direct Push	Date Ended:	9/12/00
Logged By:	D. Ness	Boring Diameter:	1.5"
Sampling Method:	Split spoon	Time Started:	10:30
		Time Ended:	10:55
		Total Depth:	20.0 ft

SCS ENGINEERS — BORING LOG

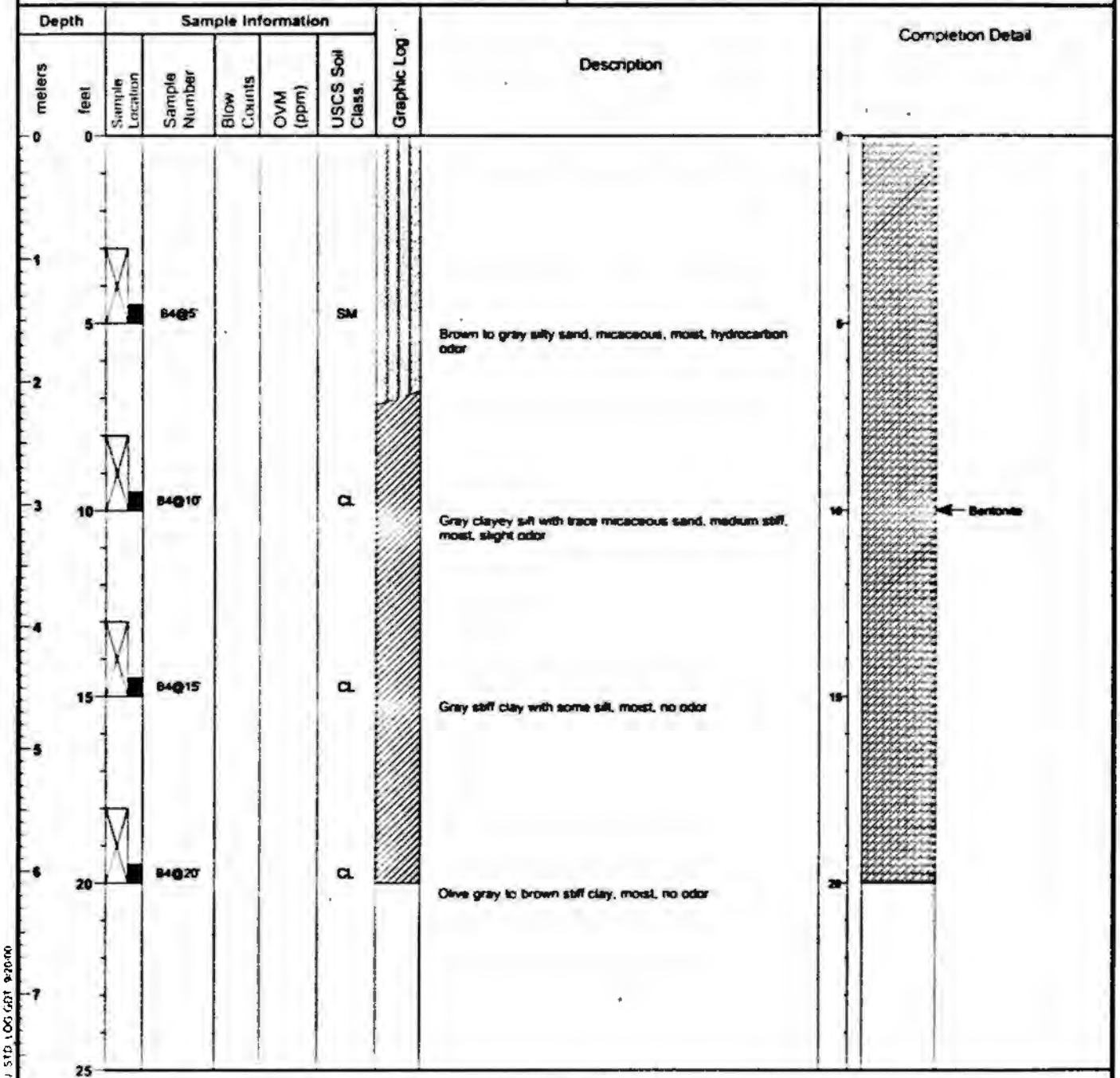
3711 Long Beach Boulevard, 9th Flr.
Long Beach, California 90807-3315

BORING NUMBER: B4

Principal
12500 E. Slauson Ave.
Santa Fe Springs, CA

JOB NUMBER: 01200116.00

REMARKS:
Exploratory boring



Drilling Company:	TEG		
Drilling Method:	Direct Push		
Logged By:	D. Ness		
Sampling Method:	Split spoon		
Date Started:	9/12/00	Time Started:	11:25
Date Ended:	9/12/00	Time Ended:	12:05
Boring Diameter:	1.5"	Total Depth:	20.0 ft

STANDARD LOG - SCS.PRJ STD LOG.GDT 9-20-00

SCS ENGINEERS | **BORING LOG**

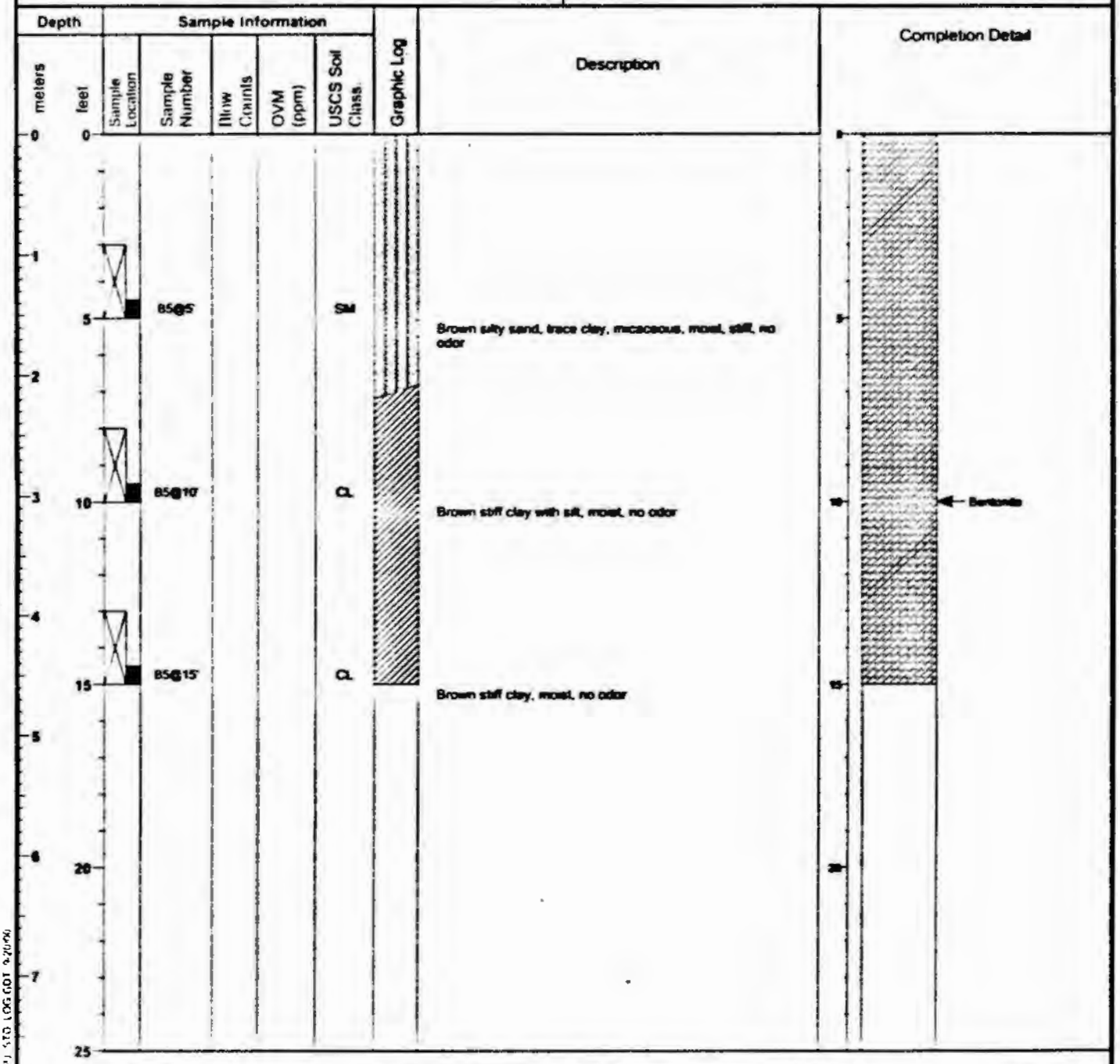
3711 Long Beach Boulevard, 9th Flr
Long Beach, California 90807-3315

BORING NUMBER: B5 | Page 1 of 1

Principal
12500 E. Slauson Ave.
Santa Fe Springs, CA

JOB NUMBER: 01200116.00

REMARKS
Exploratory boring



Drilling Company:	TEG		
Drilling Method:	Direct Push		
Logged By:	D. Ness		
Sampling Method:	Split spoon		
Date Started:	9/12/00	Time Started:	12:25
Date Ended:	9/12/00	Time Ended:	12:55
Boring Diameter:	1.5"	Total Depth:	15.0 ft

STANDARD SCS PHASE I STD LOG.GDT 9/20/00

SCS ENGINEERS — BORING LOG

3711 Long Beach Boulevard, 9th Flr.
Long Beach, California 90807-3315

BORING NUMBER: B6

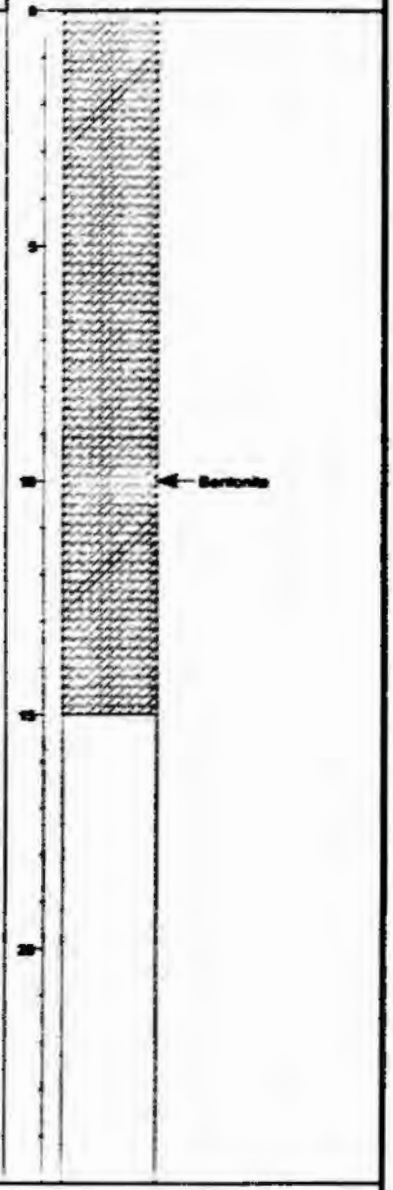
Principal
12500 E. Slauson Ave.
Santa Fe Springs, CA

JOB NUMBER: 01200116.00

REMARKS
Exploratory boring

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1	5		B6@5'			SM		Brown silty sand, micaceous, moist, no odor
2								
3	10		B6@10'			SM		Brown clayey silty sand, micaceous, moist, no odor
4								
5	15		B6@15'			CL		Brown clay with silt and trace micaceous sand, moist, no odor
6	20							
7								
	25							

Completion Detail



Drilling Company	TEG
Drilling Method	Direct Push
Logged By	D. Ness
Sampling Method	Split spoon

Date Started	9/12/00	Time Started	13:05
Date Ended	9/12/00	Time Ended	13:30
Boring Diameter	1.5"	Total Depth	15.0 ft

APPENDIX B

SITE INVESTIGATION ANALYTICAL DATA

MOBILE/one
LABORATORIES INC.

9/15/00

SCS Engineers
3711 Long Beach Blvd., 9th Floor
Long Beach, CA 90807

Project Name: Lawson Distribution
Project No.: 01200018.00 W.O.176

Attention: Mr. Tom Dong

Mobile One Laboratories received and analyzed the following sample(s):

Date Received	Quantity	Matrix	Date Received	Quantity	Matrix
9/12/00	20	soil			

The samples were analyzed by one or more of the EPA methodologies or equivalent methods as specified below.

TPH -- CA DHS "Total Petroleum Hydrocarbons"
BTEX -- EPA Method 8020
TRPH -- EPA Method 418.1, modified for soils
VOCs -- EPA Method 8260

The results are included with a summary of the quality control procedures. Please note that the symbol "nd" indicates a value below the reporting limit for the particular compound in the sample. Flags qualifying the data are explained in footnotes on the same report page as they occur.

Please feel free to call us to discuss any part of this report or to schedule future projects.

Sincerely,

Rebecca L. Johnson
President

James E. Picker, Ph.D
Lab Director

Mobile One Laboratories is certified by the California Department of Health Services (certificate #s: 1194,1561,1921,2088,2278).

MOL Project # SCS091200

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469

MOBILE/one LABORATORIES INC.

Report Summary

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: mg/kg

Method =	TPH	TPH	TRPH	<---------- 8020 ---------->				
Analyte =	Gasoline C_6-C_{12}	Diesel C_{13}-C_{24}		MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit -	1	10	10	0.05	0.005	0.005	0.005	0.015
SAMPLE I.D.								
Date Analyzed: 9/12/00								
B1-5'		nd		nd	nd	nd	nd	nd
B1-10'		nd		nd	nd	nd	nd	nd
B1-15'		nd		nd	nd	nd	nd	nd
B2-5'		nd		nd	nd	nd	nd	nd
B2-10'		nd		nd	nd	nd	nd	nd
B2-15'		nd		nd	nd	nd	nd	nd
B3-5'		nd		nd	nd	nd	nd	nd
B3-10'		nd		nd	nd	nd	nd	nd
B3-15'		nd		nd	nd	nd	nd	nd
EX-Soil		2,400		nd	nd	nd	nd	nd
B4-5'		9,700		nd	nd	0.058	0.87	1.1
B4-10'		73		nd	nd	nd	nd	nd
B4-15'		43		nd	nd	nd	nd	nd
B4-20'		nd		nd	nd	nd	nd	nd
B5-5'		nd		nd	nd	nd	nd	nd
B5-10'		nd		nd	nd	nd	nd	nd
B5-15'		nd		nd	nd	nd	nd	nd
B6-5'		nd		nd	nd	nd	nd	nd
B6-10'		nd		nd	nd	nd	nd	nd
B6-15'		nd		nd	nd	nd	nd	nd

Footnotes:
nd = Not found above the detection limit.
& = Gasoline range organics not identified as gasoline.
# = Diesel range organics not identified as diesel.
* = Sample dilution was required. Detection limits were adjusted accordingly.
E = Analyte amount exceeds calibration range. Amount quantitated by extrapolation.
** = This compound has been screened by EPA method 8020. Any positive results should be confirmed by a second analysis.
= A second analysis has been performed on this sample by Mass Spectrometry. The results are as indicated.
Analyses performed by: Bret Hutchinson
SCS091200

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469

MOBILE/one LABORATORIES INC.

QC Summary

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil

Method	TPH gasoline	TPH diesel	TRPH	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
APR - % QC Limits	(67-125)	(67-125)	(75-126)	(60-125)	(60-125)	(59-125)	(52-125)	(60-127)
RPD - % QC Limits	<30	<30	<30	<30	<30	<30	<30	<30
Date Analyzed: 9/12/00								
Spike Level (mg/kg)		251		1.00	0.100	0.100	0.100	0.300
MS Amount Found		270		0.951	0.094	0.091	0.092	0.269
MSD Amount Found		251		0.890	0.083	0.086	0.088	0.269
APR - %		103.8		92.1	88.5	88.5	90.0	89.7
RPD - %		7.3		6.6	12.4	5.6	4.4	0.0

Calibration verification was within acceptable limits.

SCS091200

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469

MOBILE/one
LABORATORIES INC.

QC Summary
Method Blanks

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: mg/kg

Method =	TPH	TPH	TRPH	<---------- 8020 ---------->				
Analyte =	Gasoline C_6-C_{12}	Diesel C_{13}-C_{24}		MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
Detection Limit -	10	10	10	0.05	0.005	0.005	0.005	0.015
SAMPLE I.D.								
Date Analyzed: 9/12/00								
blank GC6F		nd						
blank GC6R		nd						
blank GC7				nd	nd	nd	nd	nd
blank GC12c				nd	nd	nd	nd	nd

SCS091200

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469

CHAIN-OF-CUSTODY RECORD

MOBILE ONE LABORATORIES INC

MOL: SCS091200

148 So. Vinewood Street, Escondido, CA 92029-1921 (760) 735-3208 FAX (760) 735-2469

Date: 12sept.00 Page 1 of 2

Client: SCS

Site Address:

Project No.:

Sampler/Project Manager:

Turnaround Requested:
- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-MTBE by 8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's)	PNA's by 8270	PCB's by 8270			Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
B1@5'	12sept.00	0835		X		X								S	1
B1@10'		0840		X		X								S	1
B1@15'		0845		X		X								S	1
B1@20'		0900	HOLD											S	1
B2@5'				X		X								S	1
B2@10'		0940		X		X								S	1
B2@15'		0955		X		X								S	1
B2@20'		1010	HOLD											S	1
B3@5'		1035		X		X								S	1
B3@10'		1040		X		X								S	1
B3@15'		1055		X		X								S	1
EX SOIL		1057		X		X								S	1
B4@5'		1130		X		X								S	1
B4@10'		1140		X		X								S	1
B4@15'		1150		X		X								S	1

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	12sept.00	14:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Sample Receipt

Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: Yes No (N/A) (Received on site)

CHAIN-OF-CUSTODY RECORD

MOBILE ONE LABORATORIES INC

MOL: SC5091200

148 So. Vinewood Street, Escondido, CA 92029-1921 (760) 735-3208 FAX (760) 735-2469

Date: 12sept.00 Page 2 of 2

Client: SCS

Site Address:

Project No.:

Sampler/Project Manager:

Turnaround Requested:
- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-MTBE by 8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's)	PNA's by 8270	PCB's by 8270			Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
B4@20'	12sept.00	1205		X		X								S	1
B5@5'		1230		X		X								S	1
B5@10		1235		X		X								S	1
B5@15'		1255		X		X								S	1
B6@5'		1310		X		X								S	1
B6@10'		1315		X		X								S	1
B6@15'				X		X								S	1

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
1 R. M.		12sept.00	14:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: Yes No N/A (Received on site)

APPENDIX C

LETTER TO SANTA FE SPRINGS FIRE DEPARTMENT

Environmental Consultants

3711 Long Beach Boulevard
Ninth Floor
Long Beach, CA 90807-3315

562 426-9544
FAX 562 427-0805
http://www.scseng.com

SCS ENGINEERS

September 22, 2000
File No. 01200116.00

Ms. Brenda Nelson
Santa Fe Springs Fire Department
11300 Greenstone Avenue
Santa Fe Springs, California 90670
Phone: (562) 944-9713, ext. 155
Fax: (562) 941-1817

Subject: Soil Investigation Summary and Proposed Mitigative Action, Slauson Distribution Center, 12500 East Slauson Avenue, Santa Fe Springs, California

Ms. Nelson:

Per our telephone conversation this morning, this letter provides a summary of our soil investigation and proposed mitigation measures.

- Results of our investigation indicate that diesel range hydrocarbons detected at the site are limited both vertically and laterally in area. We estimate an in-place volume of less than 30 cubic yards of diesel-impacted will be excavated and transported off site to a licensed disposal facility under non-hazardous waste manifest.

- Anticipated soil excavation dimensions will be approximately 7 feet wide, 7 feet long and approximately 7 feet below grade. However, final dimensions will be dictated by confirmation soil sampling analytical results.

- Santa Fe Springs Fire Department does not object to SCS Engineers commencing mitigation activities provided confirmation soil samples are collected from each of the four sidewalls and bottom of excavation and submitted to a California state-certified analytical laboratory.

- All five confirmation soil samples will be analyzed for diesel-range (C13-C22) petroleum hydrocarbons, volatile organic compounds including methyl tert butyl ether, and semi-volatile organic compounds by EPA Methods 8015 Modified, 8260B, and 8270, respectively.

- One report including soil investigation and results of mitigative action will be submitted to Santa Fe Springs Fire Department. The report will be submitted on an "expedited" review process to obtain "No Further Action" status for the property.

Please contact either of the undersigned if you have further comment or questions regarding this report.

Sincerely,

Darren R. Ness
Staff Scientist
SCS ENGINEERS

Tom Dong, R.E.A.
Vice President

cc: Mr. Dave Dimond, Principal Capital Management, LLC
Ms. Amy J. Witten, Legacy Partners

APPENDIX D

NON-HAZARDOUS WASTE MANIFES AND WEIGHT CERTIFICATION

AMERICAN [illegible] TECHNOLOGIES

Daily Received Report

Selected Start Date for Report: 10/11/00
Selected Ending Date for Report: 10/11/00

Report Print Date: 10/12/00 9:15:

Organization Name	Date	Job Number	Ticket Number	Manifest Number	Net-Tons
SCS Engineers					
12500 E. Slauson Ave.	10/11/00	20001785	037557	00001	21.82
			037558	00002	22.94
			037559	00005	16.84
Total For Job: 20001785	**On Date: 10/11/00**		**Number of Loads: 3**		**61.60**
Total For Job: 20001785			**Number of Loads: 3**		**61.60**
Total For SCS Engineers			**Number of Loads: 3**		**61.60**
				Grand Total:	**61.60**

AMERICAN REMEDIAL TECHNOLOGIES

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Ticket No.: 037557

Date: 10/11/00
Time in: 8:22
Time out: 8:22
Scale: SCL#1

Carrier: 0822 J. TORRES CO, INC.

Customer: 0926 SCS ENGINEERING

Truck: JI988 Trailer: 988T

Product: 01 SOIL-LTTD TREAT Job: 20001785 Manifest: 00001

WGT IN: Gross: 73,720 LBS SCL#1

Tare: 30,080 LBS STORED

Net: 43,640 LBS = 21.82 Tons

Driver signature

Weighmaster signature

To my knowledge nothing has been added nor has soil been tampered with since loading into truck for delivery to Facility.

2680 SEMINOLE AVENUE, LYNWOOD, CA 90262 TEL: (213) 357-1900 (800) 401-4988 FAX (213) 357-1909

AMERICAN REMEDIAL TECHNOLOGIES

P.O. Box 970
2680 Seminole Avenue • Lynwood, California 90262
(323) 357-1900 • Fax (323) 357-1909 • (800) 401-4988

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Manifest Document No. 00001

3. Generator's Name and Mailing Address

Slauson Distribution Center
12500 East Slauson Ave.
Santa Fe Springs, CA

Generator's Phone No. 515-246-7390

4. Site Address

5. Transporter 1 Company Name: J. Torres Co. J&I 988

6. US EPA ID Number: CAD980887046

7. Transporter's Phone No. 661-832-2635

8. Designated Facility Name and Site Address

American Remedial Technologies, Inc.
2680 Seminole Avenue
Lynwood, California 90262

9. US EPA ID Number: CAL000131034

10. Facility's Phone No. (323) 357-1900

11. Waste Shipping Name and Description	Containers No.	Containers Type	Total Quantity	Unit Wt. / Vol.
Non-Hazardous waste, solid. Soil contaminated with hydrocarbons.				

12. Special Handling Instructions and Additional Information

Wear appropriate P.P.E.
Wear gloves and goggles.

Is the soil subject to 1166 monitoring?
☐ YES ☐ NO

Weight Ticket _____

ART Approval No. 2785

ART Job No. 20001785

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting disposal of Hazardous Waste.

Printed / Typed Name	Signature	Month	Day	Year
THOMAS DONG	Thomas D	10	11	00

14. Transporter 1 Acknowledgement of Receipt of Materials

Printed / Typed Name	Signature	Month	Day	Year
Juan F. Rojes		10	11	00

15. Discrepancy Indication Space

16. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 15.

Printed / Typed Name	Signature	Month	Day	Year
Steve		10	11	00

ORIGINAL-RETURN TO GENERATOR

[redacted]

AMERICAN MEDICAL TECHNOLOGIES

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Ticket No.: 037558

Date: 10/11/00
Time in: 8:32
Time out: 8:32
Scale: SCL#1

Carrier: 0822 J. TORRES CO, INC.

Customer: 0926 SCS ENGINEERING

Truck: JI88 Trailer: 88T

Product: 01 SOIL-LTTD TREAT Job: 20001785 Manifest: 00002

WGT IN: Gross: 76,840 LBS SCL#1

Tare: 30,960 LBS STORED

Net: 45,880 LBS = 22.94 Tons

Driver signature

Weighmaster signature

To my knowledge nothing has been added nor has soil been tampered with since loading into truck for delivery to Facility.

2680 SEMINOLE AVENUE, LYNWOOD, CA 90262 TEL (213) 357-1900 (800) 401-4000 FAX (213) 357-1908

OCT 19 '00 14:38 FROM:

T-178 P 07/09 F-120

AMERICAN REMEDIAL TECHNOLOGIES

P.O. Box 970
2680 Seminole Avenue • Lynwood, California 90262
(323) 357-1900 • Fax (323) 357-1909 • (800) 401-4988

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Manifest Document No. 00002

3. Generator's Name and Mailing Address
Slauson Distribution Center
12500 East Slauson Ave.
Santa Fe Springs, CA
Generator's Phone No. 515-248-7390

4. Site Address

5. Transporter 1 Company Name: J Torres Co. JTL $BB

6. US EPA ID Number: CAD980887046

7. Transporter's Phone No.: 661-832-2635

8. Designated Facility Name and Site Address
American Remedial Technologies, Inc.
2680 Seminole Avenue
Lynwood, California 90262

9. US EPA ID Number: CAL000131034

10. Facility's Phone No.: (323) 357-1900

11. Waste Shipping Name and Description	Containers No.	Type	Total Quantity	Unit Wt. / Vol.
Non-Hazardous waste, solid. Soil contaminated with hydrocarbons.				

12. Special Handling Instructions and Additional Information
Wear appropriate P.P.E.
Wear gloves and goggles.

Is the soil subject to 1166 monitoring?
☐ YES ☐ NO
Weight Ticket _____

Printed / Typed Name	Signature	Month	Day	Year

14. Transporter 1 Acknowledgement of Receipt of Materials

Printed / Typed Name	Signature	Month	Day	Year
THOMAS DONG	Thomas Dong	10	11	00

15. Discrepancy Indication Space
Agustin Arreola Jr. Agust Arr 10 11 00

16. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 15.

Printed / Typed Name	Signature	Month	Day	Year
Irving Ong		10	11	00

TRANSPORTER #1

AMERICAN MATERIAL TECHNOLOGIES

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Ticket No.: 037039

Date: 10/11/00
Time in: 8:44
Time out: 8:44
Scale: SCL#1

Carrier: 0822 J. TORRES CO. INC.

Customer: 0926 SCS ENGINEERING

Truck: JI42 Trailer: 42T

Product: 01 SOIL-LTTD TREAT Job: 20001785 Manifest: 00005

WGT IN: Gross: 65,480 LBS SCL#1

Tare: 31,800 LBS STORED

Net: 33,680 LBS = 16.84 Tons

Driver signature Weighmaster signature

Carlos Velasco

To my knowledge nothing has been added nor has soil been tampered with since loading into truck for delivery to Facility.

2680 SEMINOLE AVENUE, LYNWOOD, CA 90262 TEL (213) 357-1900 (800) 401-4966 FAX (213) 357-1909

OCT 13 '00 14:35 FROM: T-178 P 05/09 F-128

AMERICAN REMEDIAL TECHNOLOGIES
P.O. Box 970
2680 Seminole Avenue • Lynwood, California 90262
(323) 357-1900 • Fax (323) 357-1909 • (800) 401-4988

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Manifest Document No: 00005

3. Generator's Name and Mailing Address
Slauson Distribution Center
12500 East Slauson Ave.
Santa Fe Springs, CA
Generator's Phone No. 515-248-7390

4. Site Address

5. Transporter 1 Company Name: J Torres Co. J&I42

6. US EPA ID Number: CAD980887046

7. Transporter's Phone No.: 661-832-2635

8. Designated Facility Name and Site Address
American Remedial Technologies, Inc.
2680 Seminole Avenue
Lynwood, California 90262

9. US EPA ID Number: CAL000131034

10. Facility's Phone No.: (323) 357-1900

11. Waste Shipping Name and Description	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.
Non-Hazardous waste, solid. Soil contaminated with hydrocarbons.				

12. Special Handling Instructions and Additional Information
Wear appropriate P.P.E.
Wear gloves and goggles.

Is the soil subject to 1166 monitoring?
☐ YES ☐ NO
Weight Ticket _____

13. ART Approval No.: 2785

ART Job No.: 20001785

[illegible] CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for [illegible] disposal of Hazardous [illegible]

Printed / Typed Name	Signature	Month	Day	Year
THOMAS DONE	Thomas B	10	11	00

14. Transporter 1 Acknowledgement of Receipt of Materials

Printed / Typed Name	Signature	Month	Day	Year
MANUEL VELASCO	Manuel Velasco	10	11	00

15. Discrepancy Indication Space
Clean up load Last of 3 loads (TD) 10/11/00

16. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 15.

Printed / Typed Name	Signature	Month	Day	Year
Steve Zang		10	11	00

ORIGINAL-RETURN TO GENERATOR

APPENDIX E

SOIL MITIGATION ANALYTICAL DATA

MOBILE/ONE LABORATORIES INC.

9/29/00

SCS Engineers
3711 Long Beach Blvd., 9th Floor
Long Beach, CA 90807-3315

Project Name: Lawson Distribution
Project No.: 01200116.00

Attention: Mr. Tom Dong

Mobile One Laboratories received and analyzed the following sample(s):

Date Received	Quantity	Matrix	Date Received	Quantity	Matrix
9/26/00	11	soil			

The samples were analyzed by one or more of the EPA methodologies or equivalent methods as specified below.

TPH -- CA DHS "Total Petroleum Hydrocarbons"
BTEX -- EPA Method 8020
TRPH -- EPA Method 418.1, modified for soils
VOCs -- EPA Method 8260

The results are included with a summary of the quality control procedures. Please note that the symbol "nd" indicates a value below the reporting limit for the particular compound in the sample. Flags qualifying the data are explained in footnotes on the same report page as they occur.

Please feel free to call us to discuss any part of this report or to schedule future projects.

Sincerely,

Rebecca L. Johnson
President

James E. Picker, Ph.D
Lab Director

Mobile One Laboratories is certified by the California Department of Health Services (certificate #s: 1194,1561,1921,2088,2278).

MOL Project # SCS092600

MOBILE/one LABORATORIES INC.

Report Summary

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: mg/kg

Method =	TPH	TPH	TRPH
Analyte =	Gasoline	Diesel	
Detection Limit -	10	10	10
SAMPLE I.D.			
Date Analyzed:	9/26/00, 9/27/00		
Blank GC14a	nd	nd	
Blank GC14b	nd	nd	
blank Horiba2			nd
SP-1	nd	2,400	4,000
SP-2	nd	420	140
SP-3			3,200
SP-4			820
EXB-1B	nd	35,000 E	
EXB-2-B	nd	160	
EXSW-1W	nd	13,000	
EXSW-1N	nd	nd	
EXSW-1E	nd	nd	
EXSW-1B	nd	nd	
EXSW-1WB	nd	nd	

Footnotes:
nd = Not found above the detection limit.
& = Gasoline range organics not identified as gasoline.
# = Diesel range organics not identified as diesel.
* = Sample dilution was required. Detection limits were adjusted accordingly.
E = Analyte amount exceeds calibration curve. Amount estimated.
** = This compound has been screened by EPA method 8020. Any positive results should be confirmed by a second analysis.
= A second analysis has been performed on this sample by Mass Spectrometry. The results are as indicated.
Analyses performed by: Tamara Davis
SCS092600

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Report Summary

EPA Method 8260B (5035 Prep.)

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name:		Blank	SP-1	SP-2	EXB-2-9
Analysis Date		26 Sep 2000	26 Sep 2000	26 Sep 2000	26 Sep 2000
Analysis Time		8:26 am	12:09 pm	12:32 pm	2:35 pm
Dilution Factor:	1	1	1	1	1
Compound	E.Q.L.	Amount Found	Amount Found	Amount Found	Amount Found
Dichlorodifluoromethane	10	nd	nd	nd	nd
Chloromethane	10	nd	nd	nd	nd
Vinyl Chloride	10	nd	nd	nd	nd
Bromomethane	10	nd	nd	nd	nd
Chloroethane	10	nd	nd	nd	nd
Trichlorofluoromethane	10	nd	nd	nd	nd
1,1-Dichloroethene	10	nd	nd	nd	nd
Methylene Chloride	10	20	250 B	430 B	93 B
Methyl-t-butylether	10	nd	nd	nd	nd
trans-1,2-Dichloroethene	10	nd	nd	nd	nd
1,1-Dichloroethane	10	nd	nd	nd	nd
2,2-Dichloropropane	10	nd	nd	nd	nd
cis-1,2-Dichloroethene	10	nd	nd	nd	nd
Chloroform	10	nd	nd	nd	nd
Bromochloromethane	10	nd	nd	nd	nd
1,1,1-Trichloroethane	10	nd	nd	nd	nd
1,1-Dichloropropene	10	nd	nd	nd	nd
Carbon Tetrachloride	10	nd	nd	nd	nd
1,2-Dichloroethane	10	nd	nd	nd	nd
Benzene	10	nd	nd	nd	nd
Trichloroethene	10	nd	nd	nd	nd
1,2-Dichloropropane	10	nd	nd	nd	nd
Bromodichloromethane	10	nd	nd	nd	nd
Dibromomethane	10	nd	nd	nd	nd
cis-1,3-Dichloropropene	10	nd	nd	nd	nd
Toluene	10	nd	nd	nd	nd
trans-1,3-Dichloropropene	10	nd	nd	nd	nd
1,1,2-Trichloroethane	10	nd	nd	nd	nd
1,2-Dibromoethane	10	nd	nd	nd	nd
1,3-Dichloropropane	10	nd	nd	nd	nd

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Report Summary

EPA Method 8260B (5035 Prep.) continued

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name:		Blank	SP-1	SP-2	EXB-2-9
Compound	E.Q.L	Amount Found	Amount Found	Amount Found	Amount Found
Tetrachloroethene	10	nd	nd	nd	nd
Dibromochloromethane	10	nd	nd	nd	nd
Chlorobenzene	10	nd	nd	nd	nd
Ethylbenzene	10	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	10	nd	nd	nd	nd
m,p-Xylene	10	nd	nd	nd	nd
o-Xylene	10	nd	nd	nd	nd
Styrene	10	nd	nd	nd	nd
Bromoform	10	nd	nd	nd	nd
Isopropylbenzene	10	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	10	nd	nd	nd	nd
1,2,3-Trichloropropane	10	nd	nd	nd	nd
n-propylbenzene	10	nd	nd	nd	nd
Bromobenzene	10	nd	nd	nd	nd
1,3,5-Trimethylbenzene	10	nd	nd	nd	nd
2-Chlorotoluene	10	nd	nd	nd	nd
4-Chlorotoluene	10	nd	nd	nd	nd
tert-Butylbenzene	10	nd	nd	nd	nd
1,2,4-Trimethylbenzene	10	nd	nd	nd	nd
sec-Butylbenzene	10	nd	nd	nd	nd
p-Isopropyltoluene	10	nd	nd	nd	nd
1,3-Dichlorobenzene	10	nd	nd	nd	nd
1,4-Dichlorobenzene	10	nd	nd	nd	nd
n-Butylbenzene	10	nd	nd	nd	nd
1,2-Dichlorobenzene	10	nd	nd	nd	nd
1,2-Dibromo-3-chloroprop	10	nd	nd	nd	nd
1,2,4-Trichlorobenzene	10	nd	nd	nd	nd
Hexachlorobutadiene	10	nd	nd	nd	nd
Naphthalene	10	nd	19	nd	nd
1,2,3-Trichlorobenzene	10	nd	nd	nd	nd

Surrogates	Spiked	QC Limits(% Rec.)		Percent Recovery		
DBFM	50 ng	80-120	107	109	99	97
1,2-DCA-d4	50 ng	65-135	116	124	108	101
Toluene - d8	50 ng	80-120	101	90	106	102
1,4-BFB	50 ng	65-135	111	91	183 **	118

Analyses performed by: Tamara Davis

SCS092600

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Report Summary

EPA Method 8260B (5035 Prep.)

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name:		EXSW-1N	EXSW-1E	EXSW-1S	EXSW-1WB
Analysis Date		26 Sept 2000	26 Sept 2000	26 Sept 2000	26 Sept 2000
Analysis Time		3:07pm	3:30pm	3:53pm	4:15pm
Dilution Factor:	1	1	1	1	1
Compound	E.Q.L.	Amount Found	Amount Found	Amount Found	Amount Found
Dichlorodifluoromethane	10	nd	nd	nd	nd
Chloromethane	10	nd	nd	nd	nd
Vinyl Chloride	10	nd	nd	nd	nd
Bromomethane	10	nd	nd	nd	nd
Chloroethane	10	nd	nd	nd	nd
Trichlorofluoromethane	10	nd	nd	nd	nd
1,1-Dichloroethene	10	nd	nd	nd	nd
Methylene Chloride	10	130 B	210 B	150 B	160 B
Methyl-t-butylether	10	nd	nd	nd	nd
trans-1,2-Dichloroethene	10	nd	nd	nd	nd
1,1-Dichloroethane	10	nd	nd	nd	nd
2,2-Dichloropropane	10	nd	nd	nd	nd
cis-1,2-Dichloroethene	10	nd	nd	nd	nd
Chloroform	10	nd	nd	nd	nd
Bromochloromethane	10	nd	nd	nd	nd
1,1,1-Trichloroethane	10	nd	nd	nd	nd
1,1-Dichloropropene	10	nd	nd	nd	nd
Carbon Tetrachloride	10	nd	nd	nd	nd
1,2-Dichloroethane	10	nd	nd	nd	nd
Benzene	10	nd	nd	nd	nd
Trichloroethene	10	nd	nd	nd	nd
1,2-Dichloropropane	10	nd	nd	nd	nd
Bromodichloromethane	10	nd	nd	nd	nd
Dibromomethane	10	nd	nd	nd	nd
cis-1,3-Dichloropropene	10	nd	nd	nd	nd
Toluene	10	nd	nd	nd	nd
trans-1,3-Dichloropropene	10	nd	nd	nd	nd
1,1,2-Trichloroethane	10	nd	nd	nd	nd
1,2-Dibromoethane	10	nd	nd	nd	nd
1,3-Dichloropropane	10	nd	nd	nd	nd

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Report Summary

EPA Method 8260B (5035 Prep.) continued

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name:		EXSW-1N	EXSW-1E	EXSW-1S	EXSW-1WB
Compound	E.Q.L.	Amount Found	Amount Found	Amount Found	Amount Found
Tetrachloroethene	10	nd	nd	nd	nd
Dibromochloromethane	10	nd	nd	nd	nd
Chlorobenzene	10	nd	nd	nd	nd
Ethylbenzene	10	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	10	nd	nd	nd	nd
m,p-Xylene	10	nd	nd	nd	nd
o-Xylene	10	nd	nd	nd	nd
Styrene	10	nd	nd	nd	nd
Bromoform	10	nd	nd	nd	nd
Isopropylbenzene	10	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	10	nd	nd	nd	nd
1,2,3-Trichloropropane	10	nd	nd	nd	nd
n-propylbenzene	10	nd	nd	nd	nd
Bromobenzene	10	nd	nd	nd	nd
1,3,5-Trimethylbenzene	10	nd	nd	nd	nd
2-Chlorotoluene	10	nd	nd	nd	nd
4-Chlorotoluene	10	nd	nd	nd	nd
tert-Butylbenzene	10	nd	nd	nd	nd
1,2,4-Trimethylbenzene	10	nd	nd	nd	nd
sec-Butylbenzene	10	nd	nd	nd	nd
p-Isopropyltoluene	10	nd	nd	nd	nd
1,3-Dichlorobenzene	10	nd	nd	nd	nd
1,4-Dichlorobenzene	10	nd	nd	nd	nd
n-Butylbenzene	10	nd	nd	nd	nd
1,2-Dichlorobenzene	10	nd	nd	nd	nd
1,2-Dibromo-3-chloroprop	10	nd	nd	nd	nd
1,2,4-Trichlorobenzene	10	nd	nd	nd	nd
Hexachlorobutadiene	10	nd	nd	nd	nd
Naphthalene	10	nd	nd	nd	nd
1,2,3-Trichlorobenzene	10	nd	nd	nd	nd

Surrogates	Spiked	QC Limits(% Rec.)		Percent Recovery	
DBFM	50 ng	80-120	96	98	99	100
1,2-DCA-d4	50 ng	65-135	101	101	102	102
Toluene - d8	50 ng	80-120	101	100	100	100
1,4-BFB	50 ng	65-135	118	112	112	112

Analyses performed by: Tamara Davis

SCS092600

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Report Summary

EPA Method 8270C (3550B or 3510C Prep.)

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name:		Blank	SP-1	SP-2	EXB-2-9
Analysis Date		26 Sept 2000	26 Sept 2000	26 Sept 2000	26 Sept 2000
Analysis Time		11:59am	1:35pm	12:31pm	3:11pm
Dilution Factor:	1	1	1	1	1

Compound	E.Q.L.	Amount Found	Amount Found	Amount Found	Amount Found
N-Nitrosodimethylamine	400	nd	nd	nd	nd
Pyridine	400	nd	nd	nd	nd
Aniline	400	nd	nd	nd	nd
Phenol	400	nd	nd	nd	nd
bis(2-Chloroethyl)ether	400	nd	nd	nd	nd
2-Chlorophenol	400	nd	nd	nd	nd
1,3-Dichlorobenzene	400	nd	nd	nd	nd
1,4-Dichlorobenzene	400	nd	nd	nd	nd
Benzyl alcohol	400	nd	nd	nd	nd
1,2-Dichlorobenzene	400	nd	nd	nd	nd
2-Methylphenol	400	nd	nd	nd	nd
bis(2-chloroisopropyl)ether	400	nd	nd	nd	nd
4-Methylphenol	400	nd	nd	nd	nd
n-Nitroso-di-n-propylamine	400	nd	nd	nd	nd
Hexachloroethane	400	nd	nd	nd	nd
Nitrobenzene	400	nd	nd	nd	nd
Isophorone	400	nd	nd	nd	nd
2-Nitrophenol	400	nd	nd	nd	nd
2,4-Dimethylphenol	400	nd	nd	nd	nd
Benzoic Acid	400	nd	nd	nd	nd
bis(2-Chloroethoxy)methane	400	nd	nd	nd	nd
2,4-Dichlorophenol	400	nd	nd	nd	nd
1,2,4-Trichlorobenzene	400	nd	nd	nd	nd
Naphthalene	400	nd	nd	nd	nd
4-Chloroaniline	400	nd	nd	nd	nd
Hexachlorobutadiene	400	nd	nd	nd	nd
4-Chloro-3-methylphenol	400	nd	nd	nd	nd
2-Methylnaphthalene	400	nd	nd	nd	nd
Hexachlorocyclopentadiene	400	nd	nd	nd	nd

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Report Summary

EPA Method 8270C (3550B or 3510C Prep.) continued

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

	E.Q.L.	Blank Amount Found	SP-1 Amount Found	SP-2 Amount Found	EXB-2-9 Amount Found
2,4,6-Trichlorophenol	400	nd	nd	nd	nd
2,4,5-Trichlorophenol	400	nd	nd	nd	nd
2-Chloronaphthalene	400	nd	nd	nd	nd
2-Nitroaniline	400	nd	nd	nd	nd
Dimethylphthalate	400	nd	nd	nd	nd
Acenaphthylene	400	nd	nd	nd	nd
2,6-Dinitrotoluene	400	nd	nd	nd	nd
3-Nitroaniline	400	nd	nd	nd	nd
Acenaphthene	400	nd	nd	nd	nd
4-Nitrophenol	400	nd	nd	nd	nd
Dibenzofuran	400	nd	nd	nd	nd
2,4-Dinitrotoluene	400	nd	nd	nd	nd
Diethylphthalate	400	nd	nd	nd	nd
Fluorene	400	nd	nd	nd	nd
4-Chlorophenyl-phenylether	400	nd	nd	nd	nd
4-Nitroaniline	400	nd	nd	nd	nd
4,6-Dinitro-2-methylphenol	400	nd	nd	nd	nd
n-Nitrosodiphenylamine	400	nd	nd	nd	nd
Azobenzene	400	nd	nd	nd	nd
4-Bromophenyl-phenylether	400	nd	nd	nd	nd
Hexachlorobenzene	400	nd	nd	nd	nd
Pentachlorophenol	400	nd	nd	nd	nd
Phenanthrene	400	nd	nd	nd	nd
Anthracene	400	nd	nd	nd	nd
Carbazole	400	nd	nd	nd	nd
Di-n-butylphthalate	400	nd	nd	nd	nd
Fluoranthene	400	nd	780	nd	nd
Pyrene	400	nd	nd	nd	nd
Benzidine	400	nd	nd	nd	nd
Benzo[a]anthracene	400	nd	nd	nd	nd
3,3'-Dichlorobenzidine	400	nd	nd	nd	nd
Chrysene	400	nd	nd	nd	nd
bis(2-Ethylhexyl)phthalate	400	nd	790	nd	nd
Di-n-octylphthalate	400	nd	nd	nd	nd
Benzo[b]fluoranthene	400	nd	nd	nd	nd

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MOBILE ONE LABORATORIES INC.

Report Summary

EPA Method 8270C (3550 or 3510 Prep.) continued

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

			Blank	SP-1	SP-2	EXB-2-9
		E.Q.L.	Amount Found	Amount Found	Amount Found	Amount Found
Benzo[k]fluoranthene		400	nd	nd	nd	nd
Benzo[a]pyrene		400	nd	nd	nd	nd
Indeno[1,2,3-cd]pyrene		400	nd	nd	nd	nd
Dibenz[a,h]anthracene		400	nd	nd	nd	nd
Benzo[g,h,i]perylene		400	nd	nd	nd	nd
Surrogates	Spiked	QC Limits(% Rec.)			Percent Recovery	
2-Fluorophenol	2000 ppb	25-121	89	82	76	78
Phenol-d5	2000 ppb	24-113	87	65	62	64
Nitrobenzene-d5	1000 ppb	23-120	93	79	81	78
2-Fluorobiphenyl	1000 ppb	30-115	95	460 M	102	102
2,4,6-Tribromophenol	2000 ppb	19-122	82	99	96	63
Terphenyl-d14	1000 ppb	18-137	90	134	116	106

Analyses performed by: Tamara Davis

SCS092600

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Report Summary

EPA Method 8270C (3550B or 3510C Prep.)

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name:		EXSW-1N	EXSW-1E	EXSW-1S	EXSW-1WB
Analysis Date		26 Sept 2000	26 Sept 2000	26 Sept 2000	26 Sept 2000
Analysis Time		3:42pm	4:13pm	4:44pm	5:14pm
Dilution Factor:	1	1	1	1	1
Compound	E.Q.L.	Amount Found	Amount Found	Amount Found	Amount Found
N-Nitrosodimethylamine	400	nd	nd	nd	nd
Pyridine	400	nd	nd	nd	nd
Aniline	400	nd	nd	nd	nd
Phenol	400	nd	nd	nd	nd
bis(2-Chloroethyl)ether	400	nd	nd	nd	nd
2-Chlorophenol	400	nd	nd	nd	nd
1,3-Dichlorobenzene	400	nd	nd	nd	nd
1,4-Dichlorobenzene	400	nd	nd	nd	nd
Benzyl alcohol	400	nd	nd	nd	nd
1,2-Dichlorobenzene	400	nd	nd	nd	nd
2-Methylphenol	400	nd	nd	nd	nd
bis(2-chloroisopropyl)ether	400	nd	nd	nd	nd
4-Methylphenol	400	nd	nd	nd	nd
n-Nitroso-di-n-propylamine	400	nd	nd	nd	nd
Hexachloroethane	400	nd	nd	nd	nd
Nitrobenzene	400	nd	nd	nd	nd
Isophorone	400	nd	nd	nd	nd
2-Nitrophenol	400	nd	nd	nd	nd
2,4-Dimethylphenol	400	nd	nd	nd	nd
Benzoic Acid	400	nd	nd	nd	nd
bis(2-Chloroethoxy)methane	400	nd	nd	nd	nd
2,4-Dichlorophenol	400	nd	nd	nd	nd
1,2,4-Trichlorobenzene	400	nd	nd	nd	nd
Naphthalene	400	nd	nd	nd	nd
4-Chloroaniline	400	nd	nd	nd	nd
Hexachlorobutadiene	400	nd	nd	nd	nd
4-Chloro-3-methylphenol	400	nd	nd	nd	nd
2-Methylnaphthalene	400	nd	nd	nd	nd
Hexachlorocyclopentadiene	400	nd	nd	nd	nd

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Report Summary

EPA Method 8270C (3550B or 3510C Prep.) continued

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

	E.Q.L.	EXSW-1N Amount Found	EXSW-1E Amount Found	EXSW-1S Amount Found	EXSW-1WB Amount Found
2,4,6-Trichlorophenol	400	nd	nd	nd	nd
2,4,5-Trichlorophenol	400	nd	nd	nd	nd
2-Chloronaphthalene	400	nd	nd	nd	nd
2-Nitroaniline	400	nd	nd	nd	nd
Dimethylphthalate	400	nd	nd	nd	nd
Acenaphthylene	400	nd	nd	nd	nd
2,6-Dinitrotoluene	400	nd	nd	nd	nd
3-Nitroaniline	400	nd	nd	nd	nd
Acenaphthene	400	nd	nd	nd	nd
4-Nitrophenol	400	nd	nd	nd	nd
Dibenzofuran	400	nd	nd	nd	nd
2,4-Dinitrotoluene	400	nd	nd	nd	nd
Diethylphthalate	400	nd	nd	nd	nd
Fluorene	400	nd	nd	nd	nd
4-Chlorophenyl-phenylether	400	nd	nd	nd	nd
4-Nitroaniline	400	nd	nd	nd	nd
4,6-Dinitro-2-methylphenol	400	nd	nd	nd	nd
n-Nitrosodiphenylamine	400	nd	nd	nd	nd
Azobenzene	400	nd	nd	nd	nd
4-Bromophenyl-phenylether	400	nd	nd	nd	nd
Hexachlorobenzene	400	nd	nd	nd	nd
Pentachlorophenol	400	nd	nd	nd	nd
Phenanthrene	400	nd	nd	nd	nd
Anthracene	400	nd	nd	nd	nd
Carbazole	400	nd	nd	nd	nd
Di-n-butylphthalate	400	nd	nd	nd	nd
Fluoranthene	400	nd	nd	nd	nd
Pyrene	400	nd	nd	nd	nd
Benzidine	400	nd	nd	nd	nd
Benzo[a]anthracene	400	nd	nd	nd	nd
3,3'-Dichlorobenzidine	400	nd	nd	nd	nd
Chrysene	400	nd	nd	nd	nd
bis(2-Ethylhexyl)phthalate	400	nd	nd	nd	nd
Di-n-octylphthalate	400	nd	nd	nd	nd
Benzo[b]fluoranthene	400	nd	nd	nd	nd

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Report Summary

EPA Method 8270C (3550 or 3510 Prep.) continued

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

			EXSW-1N	EXSW-1E	EXSW-1S	EXSW-1WB
		E.Q.L	Amount Found	Amount Found	Amount Found	Amount Found
Benzo[k]fluoranthene		400	nd	nd	nd	nd
Benzo[a]pyrene		400	nd	nd	nd	nd
Indeno[1,2,3-cd]pyrene		400	nd	nd	nd	nd
Dibenz[a,h]anthracene		400	nd	nd	nd	nd
Benzo[g,h,i]perylene		400	nd	nd	nd	nd
Surrogates	Spiked	QC Limits(% Rec.)			Percent Recovery	
2-Fluorophenol	2000 ppb	25-121	72	71	76	76
Phenol-d5	2000 ppb	24-113	54	53	57	57
Nitrobenzene-d5	1000 ppb	23-120	79	78	85	86
2-Fluorobiphenyl	1000 ppb	30-115	112	106	111	108
2,4,6-Tribromophenol	2000 ppb	19-122	60	60	64	63
Terphenyl-d14	1000 ppb	18-137	92	91	92	95

Analyses performed by: Tamara Davis

MOBILE one LABORATORIES INC.

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Calibration Verification

EPA Method 8260B
(5035 Prep.)

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name: **Continuing Calibration**
Analysis Date 26 Sep 2000
Analysis Time 8:06 am
Dilution Factor: 1

Compound		Amount Found	Percent Difference	CCC (-20 to +20%) Pass	EPA 8260B (-20 to +20%) Pass
Dichlorodifluoromethane		51	2		yes
Chloromethane		54	8		yes
Vinyl Chloride	CCC	57	15	yes	yes
Bromomethane		50	-1		yes
Chloroethane		58	17		yes
Trichlorofluoromethane		48	-3		yes
1,1-Dichloroethene	CCC	50	-1	yes	yes
Methylene Chloride		64	27		no
Methyl-t-butylether		25	-50		no
trans-1,2-Dichloroethene		49	-2		yes
1,1-Dichloroethane		53	5		yes
2,2-Dichloropropane		60	19		yes
cis-1,2-Dichloroethene		47	-5		yes
Chloroform	CCC	54	8	yes	yes
Bromochloromethane		42	-15		yes
1,1,1-Trichloroethane		60	19		yes
1,1-Dichloropropene		59	17		yes
Carbon Tetrachloride		62	24		no
1,2-Dichloroethane		58	15		yes
Benzene		49	-3		yes
Trichloroethene		50	1		yes
1,2-Dichloropropane	CCC	52	4	yes	yes
Bromodichloromethane		56	12		yes
Dibromomethane		47	-6		yes
cis-1,3-Dichloropropene		59	18		yes
Toluene	CCC	48	-4	yes	yes
trans-1,3-Dichloropropene		58	17		yes
1,1,2-Trichloroethane		44	-13		yes
1,2-Dibromoethane		46	-8		yes
1,3-Dichloropropane		50	-1		yes

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EPA Method 8260B
(5035 Prep.)

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name: Continuing Calibration

Compound		Amount Found	Percent Difference		EPA 8260B (-20 to +20%) Pass
Tetrachloroethene		47	-7		yes
Dibromochloromethane		50	0		yes
Chlorobenzene		48	-4		yes
Ethylbenzene	CCC	49	-2	yes	yes
1,1,1,2-Tetrachloroethane		50	-1		yes
m,p-Xylene		95	-5		yes
o-Xylene		51	2		yes
Styrene		52	4		yes
Bromoform		57	13		yes
Isopropylbenzene		53	6		yes
1,1,2,2-Tetrachloroethane		42	-16		yes
1,2,3-Trichloropropane		43	-14		yes
n-propylbenzene		52	3		yes
Bromobenzene		45	-9		yes
1,3,5-Trimethylbenzene		53	7		yes
2-Chlorotoluene		49	-2		yes
4-Chlorotoluene		50	1		yes
tert-Butylbenzene		48	-5		yes
1,2,4-Trimethylbenzene		53	7		yes
sec-Butylbenzene		52	4		yes
p-Isopropyltoluene		53	6		yes
1,3-Dichlorobenzene		50	0		yes
1,4-Dichlorobenzene		50	0		yes
n-Butylbenzene		56	11		yes
1,2-Dichlorobenzene		48	-4		yes
1,2-Dibromo-3-chloropropane		44	-13		yes
1,2,4-Trichlorobenzene		56	11		yes
Hexachlorobutadiene		55	11		yes
Naphthalene		43	-15		yes
1,2,3-Trichlorobenzene		53	6		yes

Surrogates	Spiked	QC Limits(% Rec.)	
DBFM	50 ng	80-120	102
1,2-DCA-d4	50 ng	65-135	113
Toluene - d8	50 ng	80-120	100
1,4-BFB	50 ng	65-135	113

SUMMATION

CCC compounds PASS the 8260B criteria.

CALIBRATION VERIFIED

Analysis performed by: Tamara Davis

SCS092600

MOBILE/one LABORATORIES INC.

QC Summary

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil

Method	TPH gasoline	TPH diesel	TRPH	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes
APR - % QC Limits	(67-125)	(67-125)	(75-126)	(60-125)	(60-125)	(59-125)	(52-125)	(60-127)
RPD - % QC Limits	<30	<30	<30	<30	<30	<30	<30	<30
Date Analyzed: 9/26/00								
Spike Level (mg/kg)	151	251						
MS Amount Found	137	276						
MSD Amount Found	138	235						
APR - %	91.1	101.8						
RPD - %	0.7	16.0						
Date Analyzed: 9/27/00								
Spike Level (mg/kg)			82					
LCS Amount Found			85					
LCSD Amount Found			86					
APR - %			104.3					
RPD - %			1.2					

Calibration verification was within acceptable limits.

SCS092600

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MOBILE/one LABORATORIES INC.

QC Summary

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil

Method 8260B	1,1-DCE	Benzene	TCE	Toluene	Cl-Benz
Recovery % QC Limits	(53-112)	(77-134)	(78-143)	(75-141)	(95-151)
RPD - % QC Limits	<30	<30	<30	<30	<30
Date Analyzed: 9/26/00					
Spike Level (ug/kg)	50.0	50.0	50.0	50.0	50.0
Sample Amount	0.0	0.0	0.0	0.0	0.0
LCS Amount Found	52.7	48.1	50.6	48.4	47.9
LCSD Amount Found	51.4	48.0	53.3	48.4	49.6
LCS Recovery	105.3	96.1	101.3	96.8	95.8
LCSD Recovery	102.7	95.9	106.5	96.7	99.1
RPD - %	2.5	0.2	5.1	0.1	3.4

Calibration verification was within acceptable limits.

SCS092600

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Report Summary

EPA Method 8270C (3550B or 3510C Prep.)

Client: SCS Engineers
Project: Lawson Distribution

Matrix: soil
Units: ug/kg

Sample Name:		BLANK	LCS	LCSD				
Analysis Date		26 Sept 2000	26 Sept 2000	26 Sept 2000				
Analysis Time		11:59am	2:40pm	2:09pm				
Dilution Factor:		1	1	1				
Compound	Spiked Amount	Found	Found	Found	Average % Recovery	QC Limits	% Difference	QC Limit
Phenol	2,000	0	1153	1177	58	36-90	2	<30
2-Chlorophenol	2,000	0	1401	1407	70	25-102	0	<30
1,4-Dichlorobenzene	1,000	0	941	961	95	28-104	2	<30
n-Nitroso-di-n-propylamine	1,000	0	584	495	54	41-126	-16	<30
1,2,4-Trichlorobenzene	1,000	0	956	955	96	38-107	0	<30
4-Chloro-3-methylphenol	2,000	0	1458	1446	73	26-103	-1	<30
Acenaphthene	1,000	0	1096	1081	109	31-137	-1	<30
4-Nitrophenol	2,000	0	466	381	21	11-114	-20	<30
2,4-Dinitrotoluene	1,000	0	549	460	50	28-89	-18	<30
Pentachlorophenol	2,000	0	1007	860	47	17-109	-16	<30
Pyrene	1,000	0	1101	1189	116	35-142	8	<30

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Footnote Summary

Footnote	Definition
E.Q.L.	Estimated Quantitation Limit
nd	Not detected above the E.Q.L.
B	Analyte found in the associated blank.
E	Analyte amount exceeds calibration range. Amount quantitated by extrapolation.
**	Surrogate recovery outside QC range; no corrective action taken.
M	Surrogate recovery outside QC range due to matrix interference.

SCS092600

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CHAIN-OF-CUSTODY RECORD

MOBILE ONE LABORATORIES INC

MOL: SCS092400

148 So. Vinewood Street, Escondido, CA 92029-1921 (760) 735-3208 FAX (760) 735-2469

Date: 9/26/00 Page 1 of 1

Client: SCS

Site Address: 12500 E. Slauson
Santa Fe Springs

Project: Lawson Dist.

Sampler (signature):

Turnaround Requested:
- [x] Onsite/24-48 hrs
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPH-d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)	8270	Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
SP1	9/26/00	1150		X				X	X	X	S	1
SP2		1155		X				X	X	X	S	1
EXB-1S		1240	Scrant 805	X					X	X	S	1
EXB-1N		1245	"	X	Do not				X	X	S	1
EXB-1W		1300	"	X						analyze	S	1
EXB-2@9'		1320		X					X	X	S	1
EXSW-1N		1415		X					X	X	S	1
EXSW-1E		1420		X					X	X	S	1
EXSW-1S		1445		X					X	X	S	1
EXSW-1WB		1450		X					X	X	S	1
SP3		1525					X				S	1
SP4		1535					X				S	1

Relinquished by	Date:	Received by	Date:	Relinquished by	Date:
Signature:*	9.26.00	Signature:*		Signature:*	
Printed Name: DARRELL P. MOSS	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: SCS ENGINEERS	1620	Company:		Company:	
Relinquished by	Date:	Received by	Date:	Relinquished by	Date:
Signature:*	9/26/00	Signature:*		Signature:*	
Printed Name: Tamara Davis	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: MOL	1620	Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt
Intact: Yes No
Seal Intact: Yes No N/A
Cold: Yes No
N/A (Received on site)

Special Instructions